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1927

Thorburn's Seeds

Established Since 1863

J. M. THORBURN & CO.

148 Chambers Street

NEW YORK

Phone: Walker 5723

WE DELIVER FREE all Flower and Vegetable Seeds by the packet, ounce, $\frac{1}{4}$ pound or pound anywhere in the United States—by Parcel Post, Express or Freight at our option; and some others free as specifically mentioned in body of Catalog. All other articles are strictly net, transportation charges not included.

GOODS BY MAIL OR EXPRESS If wanted by mail in the United States, add postage according to zone rate, as per table below, except for goods subject to free transportation, as above.

Seeds can be sent C. O. D. when 25 per cent. of the amount is remitted with order. Potatoes, onion sets, or other perishable articles, fertilizers or insecticides cannot be sent C. O. D.

Parcel Post Zone Rates

Within the United States

Zone	Within	1st lb. or fraction	Additional lb. or fraction
1st	50 miles of N. Y. City	\$0 07	\$0 01
2d	50 to 100 miles of N. Y. City	07	01
3d	100 to 200 miles of N. Y. City	08	02
4th	200 to 600 miles of N. Y. City	09	04
5th	600 to 1,000 miles of N. Y. City	10	06
6th	1,000 to 1,400 miles of N. Y. City	11	08
7th	1,400 to 1,800 miles of N. Y. City	13	10
8th	1,800 and over miles of N. Y. City	14	12

Maximum weight, 70 pounds to 1st, 2d and 3d Zones, and 50 pounds from the 4th Zone upward. Postage to Canada 12 cents per pound, or fraction thereof; maximum weight, 4 pounds 8 ounces.

PRICES: The prices quoted are net, and subject to change without notice, some items having a tendency to fluctuate in accordance with crop conditions, etc.

NAME, ADDRESS, ETC. We request correspondents to give us on each order the correct name and address; also to indicate very precisely the means of carriage which they prefer, mail, express or freight, and the office or railroad station which best serves their locality. In case these directions are not followed out, we shall, of course, choose the most advantageous and convenient mode of shipment.

NO WARRANTY J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on their trial, they are at once to be returned.

VARIETIES underlined thus _____ are specialties and extra especially recommended to the hesitant buyer.

*Thorburn's
Seeds*

Of the Quality that has been associated with the name of Thorburn for more than 100 years.

Used in every State of the Union, and in every country of the world where seeds are cultivated. Our clientele know the value of superior strains.

**ORDER SHEET
ENCLOSED**

Kindly use it, seeing also that your name and full address are given, preferably printed in bold legible hand.

Thorburn's Seeds Sown for a Century



Please notice that we pay postage, express or freight charges at our option on all garden seeds ordered by the packet, ounce, quarter-pound and pound. If larger quantities are ordered to be sent by mail, add postage at zone rates.

THORBURN COLLECTIONS OF VEGETABLE SEEDS

FOR GARDEN CLUBS, SCHOOLS AND INDIVIDUALS

Delivered Free Anywhere in the United States

ONE-DOLLAR Collection

Packet each Beans, Beet, Carrot, Sweet Corn, Lettuce, Onion, Parsley, Parsnip, Garden Peas, Pumpkin, Radish, Spinach, Tomato, Turnip.

14 Packets in All.....

\$1

FIVE-DOLLAR Collection

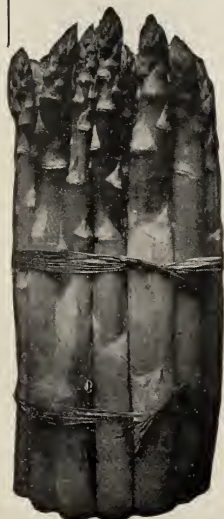
$\frac{1}{2}$ lb. Beans, Dwf. Bountiful
 $\frac{1}{2}$ lb. Beans, Dwf. Wax
 $\frac{1}{2}$ lb. Beans, Bush Lima
 $\frac{1}{2}$ lb. Beans, Pole Lima
 $\frac{1}{2}$ lb. Sweet Corn
 $\frac{1}{2}$ lb. Early Garden Peas
 $\frac{1}{2}$ lb. Medium Garden Peas
 $\frac{1}{2}$ lb. Main Crop Garden Peas
 1 oz. Beet
 1 oz. Carrot
 1 oz. Cabbage Lettuce
 1 oz. Cos Lettuce

1 oz. Radish
 1 oz. Turnip
 1 pkt. Brussels Sprouts
 1 pkt. Cabbage
 1 pkt. Cauliflower
 1 pkt. Celery
 1 pkt. Cress
 1 pkt. Cucumber
 1 pkt. Endive
 1 pkt. Egg Plant
 1 pkt. Kale

1 pkt. Kohl Rabi
 1 pkt. Leek
 1 pkt. Musk Melon
 1 pkt. Mustard
 1 pkt. Onion
 1 pkt. Parsley
 1 pkt. Parsnip
 1 pkt. Pumpkin
 1 pkt. Spinach
 1 pkt. Squash
 1 pkt. Tomato
 1 pkt. Turnip

\$5

The Full Collection as Above.....



Martha Washington Asparagus

Artichaut
Articiocca

ARTICHOKE

Alcachofa
Karczochy

French Green Globe. (Seed). The standard sort.

Pkt.	Oz.	$\frac{1}{4}$ lb.
\$0.15	\$1.00	\$3.00

Asperges
Sparagio

ASPARAGUS

Esparrago
Szparagi

Colossal. The approved standard sort.....

Oz.	$\frac{1}{4}$ lb.	Lb.
\$0.15	\$0.50	\$1.25

Palmetto. Bright green Asparagus.....

.20	.60	1.50
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Giant Argenteuil. Similar to Colossal, but larger stalks.....

.15	.40	1.00
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ASPARAGUS ROOTS, MARTHA WASHINGTON

Fast growing, exceedingly tender, flavor excellent, and **resists** the deadly "Asparagus Rust" that has killed thousands of acres of Asparagus in the United States in the last 20 years.

Extra Large Plants. 10 to 18 inches long. 2 years old.....

Doz.	100	1000
\$1.00	\$6.00	\$40.00

Thorburn's Seeds Sown for a Century

BEANS

CULTURE.—About the 1st of May, if the ground is perfectly warm, select a warm, dry sheltered spot, any good soil, preferably a moist, deep loam, not over-rich in nitrogen, dig and manure very slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the Beans 3 inches apart in the drills and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks up to about August 1st, for a succession. Two pounds (1 quart) to 100 feet of drill.

DWARF GREEN-PODDED SNAP BEANS

	<i>Fagiuoli</i>	<i>Haricots Nains</i>	<i>Frijoles</i>	<i>Fasola</i>	<i>Bohnen</i>		
					1 lb.	5 lbs.	10 lbs.
Bountiful	One of the best green-pod sorts; extra early, very prolific, long broad, flat green pods, tender and stringless.....				\$0.35	\$1.50	\$2.75
Refugee Late, or 1000 to 1.	Medium to late; very productive and tender; long green, round pods of exquisite flavor.....				.30	1.40	2.60
Six Weeks, Long Yellow.	Early, full, flat pods of good quality.....				.35	1.50	2.75
Stringless Green-Pod.	Extra early; stringless; prolific; dark green, round pods; decidedly curved.....				.30	1.40	2.60
Masterpiece (Sutton's).	A superior green round-podded variety; very prolific; long, straight stringless pods; very early, fine forcer.....				.50	2.25	4.00
Valentine, Extra-Early.	Hardy, vigorous and upright in growth; round, thick, solid pods; tender; fine flavor.....				.35	1.50	2.75
Valentine, Black.	Resembles the Valentine, but with black seed; tender and of good flavor; early and productive.....				.30	1.40	2.60

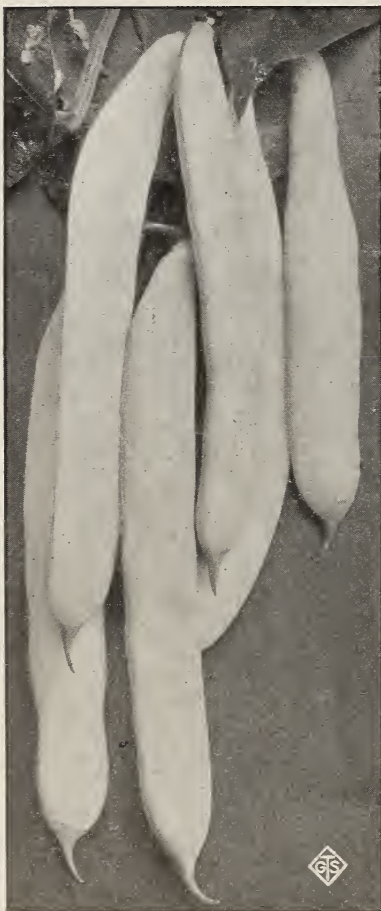
DWARF WAX BEANS

	1 lb.	5 lbs.	10 lbs.
Black Wax, Currie's Rustproof.			
Early; productive.....	\$0.35	\$1.50	\$2.75
Golden Wax, Improved.			
Very early; flat pods; stringless; prolific, upstanding.....	.40	1.75	3.25
Golden-eyed Wax.			
Hardy and prolific; early and productive.....	.35	1.50	2.75
Valentine Wax, Thorburn's.			
Round pod; prolific; solid and meaty; one of the earliest.....	.40	1.75	3.25
Wardwell's Kidney Wax.			
Early; long, flat pods; stringless.....	.40	1.75	3.25

DWARF LIMA AND DWARF WHITE BEANS

CULTURE.—Plant as soon as the warm weather has fairly set in, or start a few under glass four weeks before setting out. Soil should be light and rich. Sow in drills 2 feet apart, the Beans about 6 inches apart, and covering about 2 inches. Two pounds to 100 feet of drill. Mulching keeps the pods from the ground.

	1 lb.	5 lbs.	10 lbs.
Thorburn's Dwarf Lima.			
The Beans are extra large; and are a pure, creamy white; very tender.	\$0.60	\$2.50	\$4.75
Burpee's Bush Lima.			
A bush form of the large, flat, Pole Lima, growing only 18 to 20 inches high. The Beans are borne very profusely...	.60	2.50	4.75
Early Giant.			
Very prolific; continuous bearer; large pods; tender...	.50	2.25	4.00
Fordhook's Bush Lima.			
Immense pods and plump Beans; very prolific	.55	2.40	4.50
Henderson's Bush Lima, or Dwarf Sieva.			
Productive; Beans somewhat smaller than the others.....	.50	2.25	4.00
Red Kidney.			
Long, flat pods; fine variety for baking.....	.30	1.35	2.50
White Navy.			
Well-known small Bean used for "Boston Baked Beans".....	.30	1.35	2.50



Improved Golden Wax Beans

Thorburn's Seeds Sown for a Century

BEANS—Continued

POLE, or RUNNING BEANS

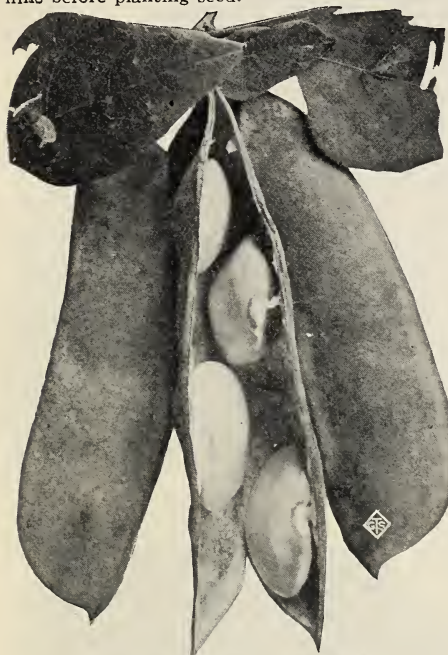
Haricots a Rames

Fagioli Da

Sgusciare

Frijoles de Bejuco

CULTURE.—Sow as the soil becomes warm and dry, from the first to the latter part of May for all except Limas, in hills 4 feet apart each way. Limas should not be planted until warm weather has fairly set in. Two pounds (1 quart) of Limas will plant about 100 hills, allowing four or five Beans to a hill, and of the smaller sorts about 200 hills. Plant Pole Limas eye down, 2 inches deep. Poles 8 to 10 feet long should be firmly set in the hills before planting seed.



Thorburn's Bush Lima Beans

Lima, Carpentera Pole.

1 lb. 5 lbs. 10 lbs.

Large; thicker than ordinary Pole Limas; vigorous; large flat Beans.	\$0.50	\$2.25	\$4.00
Lima, King of the Garden. Large, long-pod Bean; late.....	.40	1.75	3.25
Lima, Large White. An old standard sort.....	.40	1.75	3.25
Kentucky Wonder or Old Homestead. Pods green, stringless, long and flat.....	.35	1.50	2.75
Scarlet Runner. The popular English Pole Bean; good for String Beans and ornamental purposes..	.40	1.75	3.25

*Betterave
Barbabetola*

BEET

*Remolacha
Rube*

CULTURE.—Sow as early in the spring as the ground can be worked (1 ounce to 50 feet of drill; 5 or 6 pounds to the acre), and every two weeks after for a succession up to the first week of July. The soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches part, and when well up thin to from 4 to 6 inches.

	Oz.	¼ lb.	Lb.
Bassano. Early; light color; good sort; very sweet; broad, flat.....	\$0.15	\$0.50	\$1.50
Crimson Globe. Globular shape; root clean and smooth; few leaves; flesh rich, deep crimson; tender and sweet. Pkt. 10c.....	.25	.60	2.00
Detroit Dark Red Turnip. Round; skin dark blood-red; tender.....	.15	.50	1.50
Dewey's Early. Of fine form and flavor; good for market.....	.15	.50	1.50
Early Blood Turnip. Dark red; fine flavor; good for winter.....	.15	.50	1.50
Egyptian. Extra early; flat; flesh dark blood color.....	.15	.50	1.50
Egyptian, Crosby's. Extra early; round; dark blood color.....	.15	.50	1.50

Long Smooth Blood. A good late variety for winter. Pkt. 10c..... Oz. ¼ lb. Lb.
\$0.20 \$0.65 \$2.25

SWISS CHARD

Lucullus. Large leaves; tender and of fine flavor; dark green; pure white ribs..... .15 .40 1.00

MANGEL-WURZEL and SUGAR BEET

CULTURE.—As all Mangels require a deep, rich soil in order to grow well, plow and subsoil at least 1 foot to 18 inches and apply plenty of rich stable or our Complete Manure. Sow in May or June.

Sow from 5 to 8 lbs. to the acre

	1 lb.	5 lbs.
Giant Half-Sugar. White, green top; long, red skin, white flesh.....	\$0.75	\$3.50
Giant Yellow Eckendorf. Very large, skin smooth.....	.75	3.50
Golden Tankard. Large, handsome, sweet and productive.....	.75	3.50
Golden Yellow Globe. Productive.....	.75	3.50
Mammoth Long Red. Enormously productive.....	.75	3.50



Crimson Globe Beet

KLEIN WANZLEBEN

	Lb.	5 lbs.
Rich in sugar content; also grown extensively for stock.....	\$0.60	\$2.75

Thorburn's Seeds Sown for a Century

BROCCOLI

Broccoli

Brokuly

Brocoli

Spargelkohl

CULTURE.—Sow early sorts as soon as the ground can be worked in the spring, in shallow drills, drawn 3 or 4 inches apart. Plant out 2 feet apart each way when the plants are about 4 inches high. Cultivate same as cabbage, in rich, moist and moderately deep soil. One ounce will produce about 2,000 plants.



Perfection Brussels Sprouts

	Oz.	¼ lb.	Lb.
Early White. Pkt. 10c.....	\$0.50	\$1.75	\$6.00
Veitch's Self-Protecting Pkt. 10c.....	.50	1.75	6.00
Italian, or Verona Green. Pkt. 15c., ¼ oz. \$1.50.			

BRUSSELS SPROUTS

Chou de Bruxelles *Cavolo di Bruxelles* *Berza de Bruselas* *Rosen Kohl*

CULTURE.—For early crop, as soon as ground is fit, sow thinly ½ inch deep in seed bed with rows 1 foot apart. Thin to 2 inches or more apart; transplant in June so that plants stand at least 1 foot apart and rows 1½ feet apart; for late crop proceed as above, except that seed is planted early in June, 1 inch deep.

	Oz.	¼ lb.
Dalkeith. Of dwarf growth, producing large, solid sprouts. Pkt. 10c.....	\$0.40	\$1.40
Perfection. Grows about 2 feet high; sprouts 1 to 2 inches in diameter. Pkt. 15c.....	.50	1.75

Cerfeuil

CHERVIL

Perifollo

CULTURE.—Cultivate and use the curled variety like parsley.

	Oz.	¼ lb.	Lb.
Curled. Leaves used for flavoring soups and stews and for garnishing.....	\$0.20	\$0.60	\$2.00
Plain. Leaves much divided; fine aromatic flavor.....	.15	.50	1.50

Carotte
Carota

CARROT

Zanahoria
Carotten Mohren

CULTURE.—For main crop, sow from middle of May to the first of July. The soil must not be allowed to bake over the seeds, as they germinate slowly. Thin out early crop to 5 inches in the row; main crop, 6 to 7 inches; the rows 10 inches apart for early crop, 14 inches for main crop. Hoe often and deeply between the rows. Sow at the rate of 2 to 3 pounds to the acre; 1 ounce to 100 feet of drill.

	Pkt.	Oz.	¼ lb.	Lb.
Parisian Forcing. Early; tender and sweet; fine for early crops...	\$0.15	\$0.35	\$1.25	\$3.75

Oxheart Half - Short (Guerande). Thick and short; large, but tender.....	.10	.20	.60	2.00
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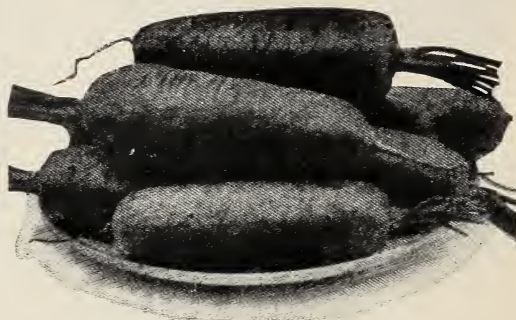
Scarlet Horn, Early. Very thick roots; fine for frames.....	.10	.20	.55	1.75
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Half-Long, Stump-rooted. One of the most popular sorts.....	.10	.20	.55	1.75
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Chantenay, Half-Long. Style of Nantes, broader shoulder.....	.10	.20	.55	1.75
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Danvers, Half-Long. Large; Productive; orange color.....	.15	.40	1.25	
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Long Orange. Best for stock-feeding; green top; keeps well.....	.10	.35	1.00	
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Early Scarlet Horn Carrot

CHICORY

Chicoree Sauvage

Cicoria Selvatica

Achicoria

Cichorien Wurzel

	Oz.	¼ lb.	Lb.
Common or Wild. Used in "Barbe de Capucin," a salad much made in France. Sow in June. Pkt. 10c.....	\$0.20	\$0.75	\$2.50
Witloof. Known in restaurants as French Endive. Sow about 1 inch deep in May and June, in drills 15 inches to 2 feet apart, in good garden soil; 1 ounce to 100 feet. Pkt. 10c.....	.30	1.00	3.50

See also Endive, the Chicory of the French, page 11

Thorburn's Seeds Sown for a Century



Thorburn's Selected Early Jersey Wakefield Cabbage

Chou Pomme
Cavolo Cappuccio

CABBAGE

Col Repollo
Kopfkohl Kraut

CULTURE.—Soil for Cabbage should be rich and heavy loam, with good drainage. On such a soil, with an abundance of stable or our Complete Manure, excellent crops are sure to be grown.

	Pkt.	Oz.	¼ lb.	lb.
Copenhagen Market. The finest large, round-headed early Cabbage; fine quality; short stemmed.....	\$0.15	\$0.40	\$1.50	\$4.50
Early Jersey Wakefield. Thorburn's Selected Stock. Undoubtedly the finest strain of this most popular, well-known early Cabbage in cultivation. The heads are extremely solid, pyramidal in shape and of most excellent quality, with very little outside foliage.....	.15	.40	1.50	4.50
Charleston Wakefield. Large strain; tender; pointed head.....	.15	.40	1.50	4.50
Enkhuizen Glory. Large, early, white, solid, ball-shaped heads.....	.15	.60	2.00	6.50
Early Flat Dutch, Stein's. For forcing or for general crop.....	.15	.40	1.50	4.50
Early Winnigstadt. A second-early variety; hard, pointed heads.....	.15	.50	1.75	5.00
Fottler's Improved Brunswick. A dwarf growing sort with very large early heads.....	.10	.30	1.00	3.00
Large Late Drumhead. Large-sized variety; many leaves; dark green.....	.15	.50	1.75	5.00
Premium Late Flat Dutch. A popular standard variety.....	.10	.35	1.25	3.75
Surehead, Flat Dutch Type. Heads large, round, flattened at the top; few outer leaves; very firm.....	.15	.40	1.50	4.50
Danish Ballhead Winter, Short Stem. Very round, solid winter sort; largely grown in Denmark for the London market.....	.15	.50	1.75	5.00
Red Negro Head. Fine deep dark red.....	.15	.50	1.75	5.00
Savoy, Early Ulm. Medium size, round, deep green heads; very early.....	.15	.50	1.75	5.00
Savoy Perfection. Extra large heads; midseason; delicate flavor; Splendid keeper.....	.15	.50	1.75	5.00
Chinese (Pe-Tsai). Blanches white; used in salads or cooked.....	.15	.40	1.50	4.50
Wong-Bok. Chinese Celery Cabbage with a delicate cabbage flavor...	.15	.40	1.50	4.50

COLLARDS

CULTURE.—Sow in a rich, moist soil, as for cabbage, in June, July and August, for succession. Transplant when a month old in rows a foot apart each way and hoe often.

	Oz.	¼ lb.	Lb.
Georgia. Best for warm weather.....	\$0.15	\$0.40	\$1.25

Thorburn's Seeds Sown for a Century

Chou-Fleur
Cavolflore

CAULIFLOWER

Coliflor
Blumenkohl

CULTURE.—The same as for cabbage, except that extra manure and plenty of water will pay upon Cauliflower. Cauliflower can be grown for an early crop by starting the seed under glass late in February or very early in March.



Thorburn's Large Early Snowball Cauliflower

Thorburn's Extra-Early Dwarf Erfurt.

The best and earliest for forcing; very

Pkt. ¼ Oz. Oz. ¼ Lb.

dwarf and compact; with short stem and small leaves.....	\$0.25	\$1.00	\$3.50	\$12.00
Thorburn's Gilt Edge. Large, heavy sort; maturing immediately after our Large Snowball. Best of all.....	.25	1.25	4.00	14.00
Thorburn's Large Early Snowball. A large strain of finest quality .	.25	1.00	3.00	11.00
Extra-early Paris. Heads medium size; first class.....	.15	.75	2.50	9.00

CORN SALAD (Fetticus)

CULTURE.—Sow during August or early September, in drills ¼ inch deep and 6 inches apart, for spring use. A second crop may be picked from the same plant.

	Oz.	¼ lb.	Lb.
Large-seeded, Broad-leaved. Pkt. 10c....	\$0.20	\$0.50	\$1.75

CRESS

CULTURE.—Sow in spring, every two or three weeks. Begin to sow again from the middle to the end of August every week or two for fall succession.

	Oz.	¼ lb.	Lb.
Curled, or Pepper Grass. \$0.15	\$0.15	\$0.40	\$1.25
True Water Cress. Pkt. 15c. .50	.50	1.75	6.00

Thorburn's Seeds Sown for a Century



Thorburn's Golden Self-Blanching Celery

*Celeri
Sedano*

CELERY

*Apios
Sellerie*

CULTURE.—Sow the seed in a light, rich, dry border as early as the ground can be worked, in drills 8 to 10 inches apart, and cover the seeds about $\frac{1}{4}$ inch deep, rolling or treading them in if the ground be dry. One ounce will be sufficient for 2,500 to 3,000 plants. When fairly out of the seed-leaf, they may be transplanted to another bed, or they may be thinned out to 6 or 8 inches apart, and let grow until wanted to plant out in beds or trenches.

Pkt. Oz. $\frac{1}{4}$ lb. Lb.

Improved White

Plume. Natural-

ly white or light foliage requires but little banking up to blanch.....

\$0.10 \$0.35 \$1.25 \$4.50

Golden Self-

Blanching,

Thorburn's

Gilt-Edge.

Our finest strain...

.15 .75 2.50 9.00

Easy Blanching. Early;

blanches quickly. Good for home or market.....

.15 1.00 3.50 12.00

Giant Pascal. An

easily blanched and fine-keeping, large, late sort.....

.10 .50 1.75 6.00

Pink Plume. Tinged

with red; attractive rich flavor; long keeper.....

.15 .75 2.50 9.00

Winter Queen. Very large, solid, green winter sort; blanches well..... .10 .35 1.25 4.50

CELERIAC (Turnip-Rooted Celery)

Giant Prague. Very large roots, for soups and stews. Pkt. 10c..... \$0.20 \$0.75 \$2.75

Oz. $\frac{1}{4}$ lb. Lb.

CORN, SWEET or SUGAR

Mais

Maiz

Kukurudz

CULTURE.—As soon as danger from frost is past, plant in hills 3 feet apart each way, and 5 or 6 kernels in a hill. The hills should be prepared before planting by digging in a shovelful of compost and a double handful of high-grade fertilizer. In spring plant 1 inch deep; later plantings $1\frac{1}{2}$ to 2 inches deep. Thin out to three plants in the hill, or, if in rows, to 12 inches apart. Two pounds will plant 150 to 200 hills. Hoe often and draw soil up to stem; break off side shoots. Corn requires a warm, rich soil and a sunny exposure. Plant for a succession every two weeks until middle of July.

EXTRA EARLY

Lb. 2 lbs. 5 lbs.

Thorburn's Nordheim Extra-Early.

Earliest and finest of all. The stalks grow 6 to 7 feet

high, each bearing three or four nearly perfect ears of excellent quality. 7 inches long, 5 inches circumference; 8 to 10 rows; of large kernels, white and very sweet.....

\$0.40 \$0.75 \$1.75

Early Mayflower. Extra early; large ears; sweet and tender. 8 to 12 rows of medium large kernels; white.....

.35 .65 1.50

Golden Bantam. Extra early; yellow; very sweet and tender.....

.30 .55 1.40

Golden Giant (De Lue's). Large ears; fine quality; small cob.....

.50 .90 2.25

Seymour's Sweet Orange. A vigorous grower, attaining a height of 6 to 7 feet, and producing two good-sized ears to a stalk.....

.40 .75 1.75

SECOND-EARLY

Crosby. Matures after Minnesota; fair-sized ears of good quality.....

.30 .55 1.40

Howling Mob. An early Corn of large size; white and sweet.....

.35 .65 1.50

Potter's Excelsior, or Squantum. Good-sized ears of fine quality.....

.30 .55 1.40

Thorburn's Seeds Sown for a Century

CORN, SWEET or SUGAR—Continued



Stowell's Evergreen Corn

GENERAL CROP

	Lb.	2 lbs.	5 lbs.
Stowell's Evergreen. One of the most popular varieties. Hardy; keeps well; grains long and slender, free from glaze.....	\$0.35	\$0.65	\$1.50
Golden Evergreen. Very sweet, round grains; beautiful variety.....	.40	.75	1.75

LATE VARIETIES

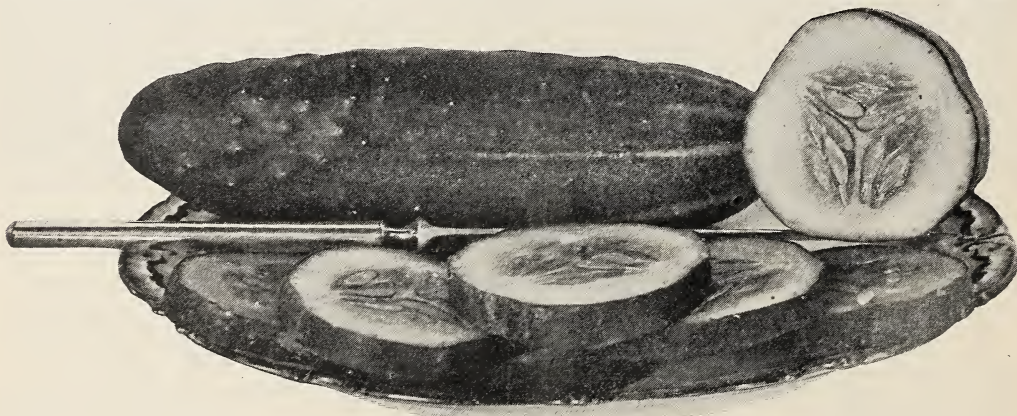
Black Mexican. Very sweet, of superior flavor; grains bluish black.....	.35	.65	1.50
Country Gentleman. Introduced by us in 1888. Ears 8 inches long; 6 inches circumference; grains irregular, not in rows. Small cob, and very long, white, slender deep grains.....	.35	.65	1.50

*Cetriolo
Concombre*

CUCUMBER

*Pepino
Gurken*

CULTURE.—For very early, sow in hotbeds upon pieces of sod, or in small pots. For general crop, sow in the open ground as soon as the weather is settled and warm, and every two weeks for a succession. One ounce will do for 60 to 70 hills. Thin, leaving four or five in a hill. For mildew and wilting, spray with Bordeaux.



Thorburn's Special White Spine Cucumber

Packets, 10 Cents

	Oz.	¼ lb.	Lb.
Thorburn's Everbearing. Small-sized; very early and enormously productive; valuable as a green pickler.....	\$0.25	\$0.85	\$3.00
Chicago Pickling. Uniform; prolific; good color.....	.20	.60	2.00
Cool and Crisp. Extra early and prolific; long, straight, slender and dark green; good for pickling or slicing.....	.20	.60	2.00

Thorburn's Seeds Sown for a Century

CUCUMBER—Continued

Packets 10c

	Oz.	¼ lb.	Lb.
Davis Perfect. Fine for forcing or for outdoors. The fruit is long and straight; very valuable for slicing.....	\$0.20	\$0.60	\$2.00
Giant Pera. One of the best for table use; smooth, thin skin.....	.20	.60	2.00
Green Prolific Pickling. One of the best for pickling; dark green.....	.20	.55	1.60
Long Green Improved. Long and crisp; a popular variety for pickles.....	.20	.60	2.00
White Spine, Improved. A handsome and uniform early variety.....	.15	.50	1.50
White Spine, Arlington. Fine either for forcing or for outdoors.....	.20	.50	1.60
White Spine, Thorburn's Noroton Selected. Early, perfect in shape and prolific; best slicing variety.....	.20	.60	2.00
Gherkin. Very small burr; used for pickles.....	.25	.75	2.25
Improved Telegraph. Unquestionably one of the best for forcing; and a great cropper. Pkt. 30c.			

DANDELION

Dente Di Leone *Pissenlit* *Amargon* *Lowenzahn*

CULTURE.—Sow in early spring in drills ¼ inch deep and 18 inches apart; thin out the plants to 12 inches.

	Pkt.	Oz.	¼ lb.
Common Cultivated.	\$0.10	\$0.35	\$1.00

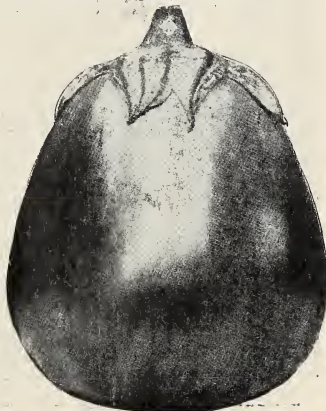
Petrongians
Aubergine

EGGPLANT

Eieroflanze
Berengena

CULTURE.—Sow in hotbeds very early in spring and transplant when 2 inches high into a second bed or into small pots. If this is not done, thin 4 inches apart.

	Oz.	¼ lb.
Improved New York Spineless. Oval; deep purple; early and productive. Pkt. 10c.....	\$0.50	\$1.75
Black Beauty. Early, purplish black; spineless. Pkt. 10c.....	.50	1.75



New York Spineless Eggplant

Endivia
Chicoree

ENDIVE

Endivien
Escarola o Endivia

CULTURE.—Sow in June, July or August, in good, rich garden soil; cover lightly; when up, thin out to 8 or 10 inches apart and water well. When the leaves are 6 to 8 inches long, blanch by tying together near the top.

	Oz.	¼ lb.	Lb.
Green Curled Winter. Standard sort for fall and winter crop.....	\$0.15	\$0.50	\$1.75
White Curled. For early use.....	.15	.50	1.75
Broad-leaved Batavian (Escarolle). A sweet variety; fall and winter. Grows large hearts which blanch easily.....	.15	.50	1.75

See, also, Witloof (French Endive), under Chicory, page 6

Cavolo Verde
Chou Vert Frise

KALE or BORECOLE

Breton Berza
Blatterkohl

CULTURE.—Cultivated and grown exactly like cabbage. Sow seed ¼ inch deep. One ounce will do for a 100-foot row.

	Oz.	¼ lb.	Lb.
Curled Dwarf Green. Very dwarf and spreading; best strain; largely grown in the South, being sown in August and September.....	\$0.15	\$0.55	\$2.00
Curled Tall Green Scotch......	.15	.50	1.75

Cayolo Rapa
Chou-Rave

KOHLRABI

Colinabo
Knollkohl

CULTURE.—Sow in spring, about ¼ inch deep, in rows 18 inches apart, afterward thinning the plants to 8 to 10 inches. Soil should be same as for cabbage; a rich loam. Do not let the earth get into the heart of the plants and do not cover the thick stem or knob. One ounce will give about 1,500 plants, enough for 300 feet of drill. For early plants, seeds may be sown under glass in March.

	Oz.	¼ lb.	Lb.
Early White Vienna. Handsome; very delicate in flavor.....	\$0.15	\$0.50	\$1.75

Thorburn's Seeds Sown for a Century



Thorburn's Best Large Flag Leek

Poireau
Porro

LEEK

Puerro
Porree

CULTURE.—Sow very early in spring, in drills 6 inches apart and $\frac{1}{4}$ inch deep; one ounce to 100 feet of drill. Thin out to 1 inch. When about 7 inches high, transplant in rows 12 inches apart, as deep as possible, but do not cover the young center leaves. Water thoroughly if dry when planted out. Draw earth up to them as they grow; deep, rich soil is required.

Thorburn's Best Large

	Oz.	$\frac{1}{4}$ lb.	Lb.
Flag. Hardy and productive. Pkt. 15c.....	\$0.25	\$0.75	\$2.50
Musselburgh. Similar to above. Pkt. 10c.....	.20	.60	2.00

Lattuga
Laitue

LETTUCE

Lattich
Lechuga

CULTURE.—Sow forcing varieties in hotbeds in March, and these as well as all other varieties in the open ground as soon as it can be worked, and transplant in rows 8 inches apart and rows 1 foot apart. Sow in two weeks' time again for a succession; also Cos sorts. One ounce is sufficient for 1,000 plants or 300 feet in rows. Sow $\frac{1}{4}$ to $\frac{1}{2}$ inch deep—if under glass, $\frac{1}{4}$ inch. Always sow thinly and thin out well, or the plants will not be strong.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Black-seeded Simpson. Forms a firm, well blanchd, rounded cluster of leaves closely drawn together. Leaves broad, much blistered, crumpled and twisted. Color very light green.....	\$0.10	\$0.20	\$0.55	\$1.75

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Big Boston. Light dull green, excepting extremely narrow light brown border. The heads are broad, slightly pointed and hard. Fine for forcing under glass.....	.10	.25	.70	2.25

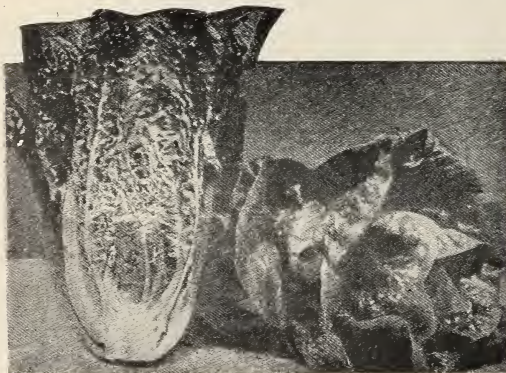
Brown Dutch. A cabbage-heading variety; very buttery flavor; medium to large in size; late to intermediate in development.....	.10	.20	.55	1.75
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California Cream Butter. Head very firm, and globular in shape. Leaves slightly blistered and crumpled. Color dark, rich glossy green.....	.10	.25	.70	2.25
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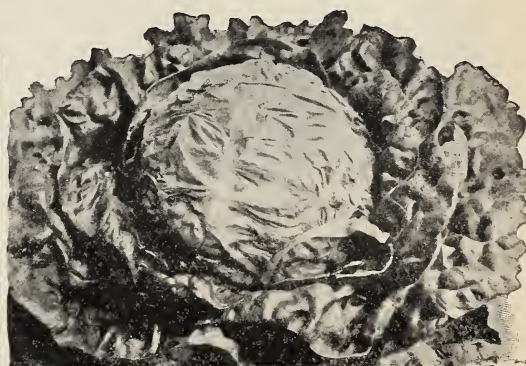
Crisp as Ice. Forms a slightly pointed head of small to medium size; decidedly buttery in flavor. Almost solid brown in summer.....	.10	.25	.70	2.25
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Grand Rapids Forcing. Bunching variety, decidedly crisp. Color very light green. Fine for forcing under glass.....	.10	.25	.80	2.25
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Hanson Improved. This variety is strictly cabbage-heading and decidedly crisp; very large and very late.....	.10	.20	.60	1.75
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Balloon Cos Lettuce



Hubbard's Market Lettuce

Thorburn's Seeds Sown for a Century

LETTUCE—Continued

	Pkt.	Oz.	¼ lb.	Lb.
Hubbard Market. This is a cabbage-heading Lettuce of decidedly buttery flavor, large to medium in size; early to intermediate in development. Fine for forcing under glass.....	\$0.10	\$0.20	\$0.60	\$1.75
Iceberg. Crisp rather than buttery; large and late.....	.10	.20	.60	1.75
Mammoth Black-seeded Butter. Head slightly oval, well blanched. Leaves broad, much blistered and crumpled, and slightly twisted. Color light brown.....	.10	.20	.60	1.75
May King. Extra-large, round, solid, very tender heads. Good alike for outdoors or under glass.....	.10	.20	.60	1.75
Mignonette. A cabbage-heading variety; fairly crisp; size small to medium; early to intermediate. Exceedingly tender, crisp and sweet.....	.10	.20	.60	1.75
New York Cabbage. This is a decidedly crisp variety, forming a very large cabbage-head of late maturity.....	.15	.30	1.00	3.75
Salamander Improved. Leaves slightly crumpled. Forms a good solid head.....	.10	.20	.65	1.75
Wayahead. Color dark green. Forms hard, compact head.....	.10	.25	.80	2.90
White Summer (Cabbage). Large to medium size; globular and very firm.....	.10	.20	.65	1.75

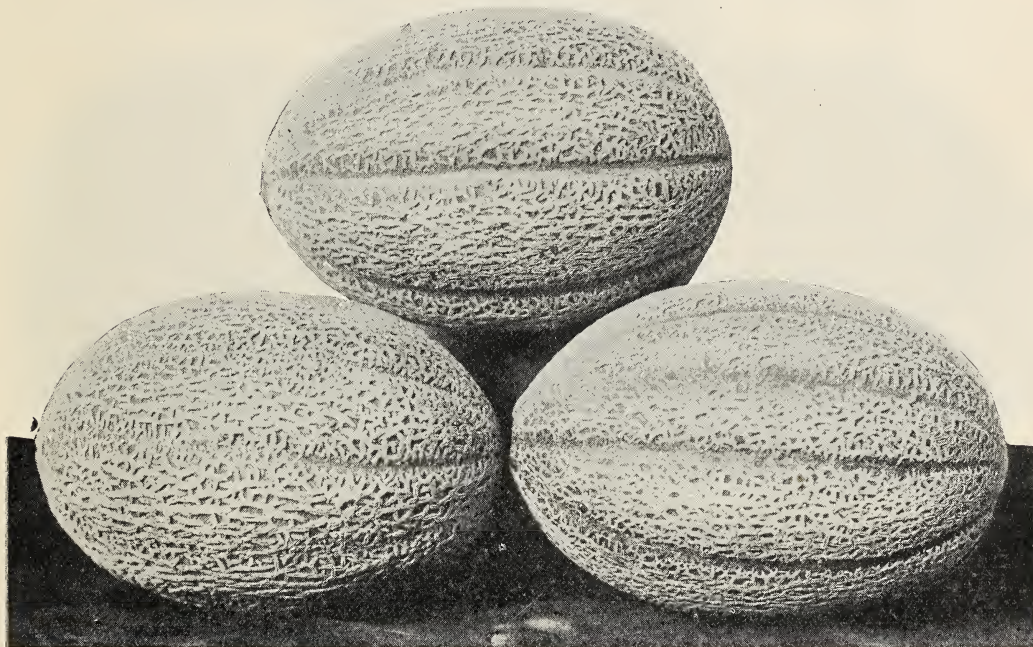
ROMAINE, or COS LETTUCE

White Paris Cos. Of upright growth; fine. Forms a well-blanched head.....	.10	.20	.60	1.75
Balloon Cos. Closely resembles White Paris Cos, but larger.....	.10	.20	.60	1.75

Popone
Melon Muscade

MUSKMELON (Cantaloup)

Melon Muscatel
Melone



Muskmelon, Thorburn's Surprise

CULTURE.—Select a light, rich, sandy soil, and, after all danger of frosts is over and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, six to twelve seeds to a hill. When up and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes or lime are excellent to sift over young plants when the dew is on, to prevent the attacks of insects. The hills should have a mixture of well-rotted manure and Thorburn's Complete Manure dug into them.

SALMON and YELLOW-FLESH VARIETIES

	Packets 10c.	Oz.	¼ lb.	Lb.
Burrell's Gem, or Defender. Reddish orange flesh; fine-grained and spicy; dark green skin, slightly ribbed; thin rind; good shipper.....		\$0.15	\$0.50	\$1.50

Thorburn's Seeds Sown for a Century

MUSKMELON—Continued

	Oz.	¼ lb.	Lb.
Emerald Gem. Small, nearly round; slightly ribbed; extra early; dark green skin; thick, salmon-red flesh; very sweet.....	\$0.15	\$0.50	\$1.50
Fordhook. Firm, salmon-colored flesh; small seed cavity; vigorous.....	.15	.50	1.50
Rocky Ford. Pollock No. 25. One of the best salmon-fleshed Melons.....	.25	.75	2.50
Thorburn's Orange Christiana. Fine orange sort.....	.20	.60	2.00
Thorburn's Surprise. Oblong; rich orange flesh of fine quality.....	.20	.60	2.00

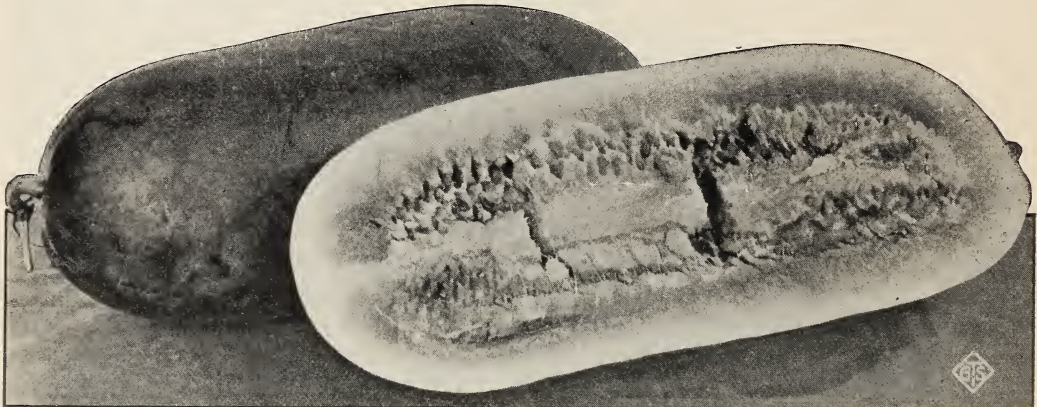
GREEN-FLESH VARIETIES

Bay View Hybrid. Very large; oblong; late; light-green flesh.....	.15	.50	1.50
Hybrid Casaba. A vigorous grower and enormous yielder; melons of large size and unsurpassed flavor.....	.25	.90	3.25
Champion Market. Large, netted; flesh light green; early.....	.20	.60	2.00
Hackensack. Large round, and of good quality; early.....	.15	.50	1.50
Hackensack Extra-Early. Ripens ten days earlier than the Hackensack.....	.20	.60	2.00
Honey Dew. Delicious, rich green flesh; sweet as honey.....	.25	.90	3.25
Jenny Lind. Old favorite. Small; green-fleshed; very early.....	.20	.60	2.00
Long Island Beauty. The earliest and finest in quality.....	.15	.50	1.50
Netted Gem, Oblong. Same as above, save in shape.....	.20	.60	2.00
Nutmeg. Sweet, green flesh; very early; named from its shape.....	.15	.50	1.50
Rocky Ford. Very sweet and fine flavored; oblong.....	.15	.50	1.50

Melone D'Aqua
Melon D'Eau

WATERMELON

Zandia
Nasser-Melone



Tom Watson Watermelon

CULTURE.—Treat the same as muskmelons, except that they should be planted 8 to 10 feet apart, according to variety. Light soil is best. Start under glass if possible. Do not allow more than three melons to set on each plant.

Packets 10c.

	Oz.	¼ lb.	Lb.
Alabama Sweet. Dark green; tender red flesh; long. Fine shipper.....	\$0.15	\$0.40	\$1.25
Black Diamond. Dark green, tough skin; large size. Round.....	.15	.40	1.25
Black Spanish. Roundish; nearly black; dark red flesh; early.....	.15	.40	1.25
Cole's Early. Medium size; red flesh; green skin; roundish, oval.....	.20	.50	1.50
Cuban Queen. Solid and heavy; excellent; early; oval.....	.20	.50	1.50
Halbert's Honey. Dark, glossy green skin; flesh crimson and sweet.....	.15	.40	1.25
Hungarian Honey. Perfectly round; brilliant red flesh.....	.15	.40	1.25
Ice Cream, or Peerless. Very early; red flesh; oval; seed white.....	.15	.40	1.25
Kleckley Sweets. Exceedingly sweet and fine flavored; dark green skin.....	.20	.50	1.50
Kolb Gem. Large; good shipper; bright red flesh; intermediate; oval.....	.20	.50	1.50
McIver's Wonderful Sugar. Oblong; handsome and very sweet.....	.20	.50	1.50
Mountain Sweet. Red flesh; late; dark green; long; tapers.....	.15	.40	1.25
Rattlesnake, Southern. Oblong; dark and striped; bright red flesh.....	.15	.40	1.25
Sweetheart. Oval; very large; bright skin; fine quality.....	.15	.40	1.25
Tom Watson. Flesh is deep red, crisp and of finest flavor.....	.15	.40	1.25
Citron, Green Seed. Used for preserves.....	.15	.40	1.25

Thorburn's Seeds Sown for a Century

Fungo Pratajolo
Blanc de Champignon

MUSHROOM SPAWN

Seta
Schwamm

CULTURE.—Mushrooms may profitably be grown in cellars, under benches of greenhouses, or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. Write for our special circular on Mushroom culture.

If wanted by mail, add postage

	Per Brick	10 Bricks	25 Bricks
American Pure-Culture Spawn. Direct bricks; latest strain.	\$0.45	\$4.00	\$8.50

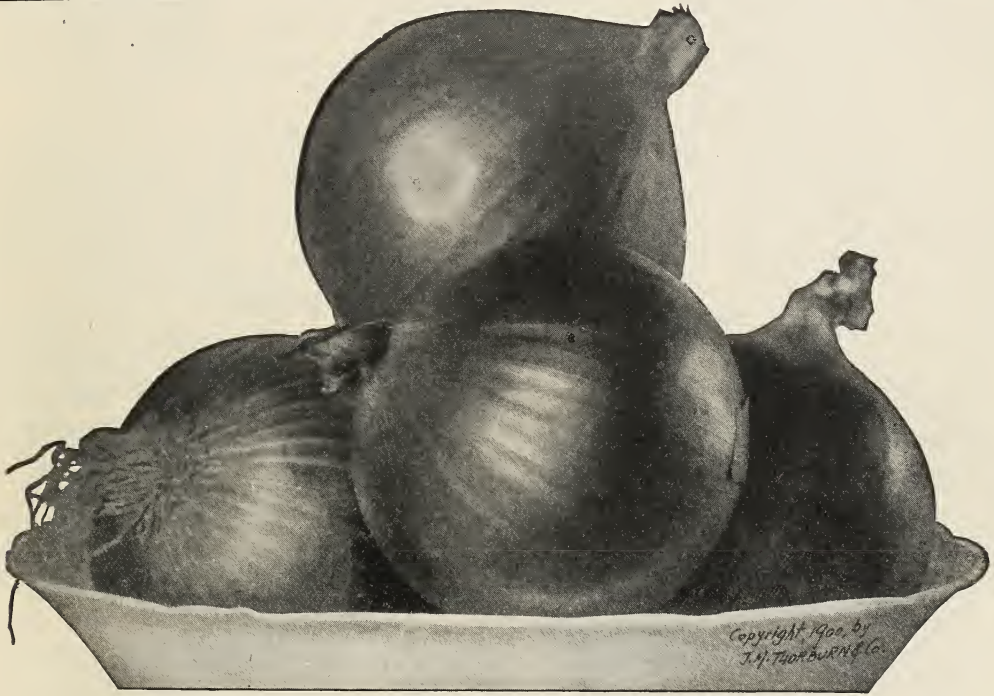
Montarde

MUSTARD

Mostaza

CULTURE.—Sow thickly during early spring in shallow drills, and press the earth well down.

	Oz.	¼ lb.	Lb.
Giant Southern Curled. Very large leaves.	\$0.10	\$0.25	\$0.85
White London. Leaves used for salads; grows very rapidly. ....	.10	.25	.85



Red Globe Onions

Cipollo
Oignon

ONION

Cebolla
Zwiebel

CULTURE.—Sow in rich, sandy soil, in drills 1 foot apart, at the rate of 4 to 5 pounds to the acre, or 1 ounce to 100 feet of drill. Thin to 3 to 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hotbed in February and March and transplanting the seedlings to the open ground. Against the coming of the Onion maggot scatter tobacco dust about the bases of plants. For thrips use kerosene emulsion. It is best to destroy all plants attacked.

Packets 15c.

	Oz.	¼ lb.	Lb.
White Queen. Pure white; small; extra-early; fine for pickling.	\$0.40	\$1.40	\$5.00
White Large Portugal. The standard large flat sort. ....	.35	1.15	4.00
White Large Globe (Southport Strain). Very large and handsome. ....	.35	1.15	4.00
White Bermuda (True Crystal Wax). (Teneriffe-grown). ....	.50	1.75	6.50
White Welsh. Leaves used for salad early in spring. Sow in fall. ....	.35	1.15	4.00
Yellow Danvers. Early and a good keeper; slightly flattened. ....	.40	1.40	4.50
Yellow Globe, Large (Southport Strain). The finest large yellow. ....	.40	1.40	4.50
Yellow Prizetaker. Immense size; globe-shaped; large yielder. ....	.45	1.50	5.00
Yellow Ailsa Craig. A splendid Yellow Globe variety; grown largely for exhibition purposes. A great forcer. ....	.75	2.50	8.00
Red Wethersfield, Large. Half-early, and a good keeper; large size. ....	.40	1.40	4.50
Red Globe, Large (Southport Strain). The finest large red sort. ....	.40	1.40	4.50

Thorburn's Seeds Sown for a Century

ONIONS—Continued

ONION SETS, ETC.

Plant in drills about 12 inches apart and 4 inches in the row, with their tops just showing.

	Quart	½ peck	Peck		Quart	½ peck	Peck
Yellow Onion Sets.....	\$0.35	\$1.10	\$2.00	Red Onion Sets.....	\$0.35	\$1.10	\$2.00
White Onion Sets.....	.35	1.10	2.00	Shallots.....	.40	1.50	2.65

Garlic. Lb. 60c; 5 lbs. \$2.50

Gombaud

OKRA, or GUMBO

Quimbombo

CULTURE.—Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches.

	Oz.	¼ lb.	Lb.
Dwarf Green Prolific. Thick pods.....	\$0.15	\$0.40	\$1.25
Perkins' Mammoth. Fine strain.....	.15	.40	1.25
White Velvet. Tender, white pods.....	.15	.45	1.35

PARSLEY

Prezzemolo

Persil

Perijil

Petersilie

CULTURE.—Soak the seeds a few hours in lukewarm water, and sow early in spring and until the middle of July, in drills 1 foot apart.

	Oz.	¼ lb.	Lb.
Thorburn's Extra Curled. Superior.....	\$0.15	\$0.40	\$1.25
Hamburg, Thick-rooted. Roots resemble Celeriac in flavor.....	.15	.50	1.50
Plain. Ordinary form.....	.15	.40	1.25

PARSNIP

Pastinaca

Panaïs

Chirivía

Pastinake

CULTURE.—Sow early in the spring, in rich soil, in drills 18 inches apart.

	Oz.	¼ lb.	Lb.
Thorburn's Hollow-Crown. The best all-round sort.....	\$0.15	\$0.40	\$1.25

Peperone
Piment

PEPPER

Pfeffer
Pimiento

CULTURE.—Sow in hotbeds in March and, when the soil has become warm, set in rows 2 feet apart and 18 inches in the rows. Hoe frequently. The soil should be light, warm and rich, but not dry. One ounce will produce 1,500 to 2,000 plants.

	Pkt.	Oz.	¼ lb.
Bell, Large. Bright red; largely used for pickling.....	\$0.10	\$0.60	\$2.00
Chinese Giant. Very large; flesh very mild and thick; bright scarlet color.....	.15	.80	2.50
Cayenne Long Red. Slender pods; 3 inches; pungent.....	.10	.60	2.00
Red Chili. Productive; small; red and very pungent.....	.10	.60	2.00
Royal King. Flesh very thick, mild and sweet; fine shipper.....	.10	.70	2.25
Ruby King. Bright red; 4 to 6 inches long; mild; best for stuffing.....	.10	.60	2.00
Sweet Spanish. Large; mild; used for salad.....	.10	.80	2.75



Pepper, Chinese Giant

SWEET AND MEDICINAL HERBS

	Pkt.	Oz.		Pkt.	Oz.
Anise. Seeds aromatic.....	\$0.10	\$0.50	Lavender. For distilled water.....	\$0.10	\$1.00
Basil, Sweet. Used for flavoring.....	.10	.50	Marjoram, Sweet. For seasoning.....	.10	.75
Caraway. Used in flavoring.....	.10	.50	Rue. Used for flavoring.....	.10	1.00
Dill. Seeds used for flavoring.....	.10	.20	Sage, Broad-leaf. Culinary herb.....	.10	1.00
Fennel, Sweet. For flavoring.....	.10	.40	Savory, Summer. Culinary herb.....	.10	.75
Fennel, Florence.....	.10	.40	Savory, Winter. Culinary herb.....	.10	.75
Hyssop. Has medicinal qualities.....	.10	.75	Thyme, Broad-leaved English.....	.15	1.00

Thorburn's Seeds Sown for a Century

Pisello
Pois

PEAS

Chicharos o Guisanies
Erbsen

CULTURE.—A week may be gained in earliness by sowing in moist sand placed in a box in the cellar, and planting outside when well sprouted. Light, dry soil, not over-rich, suits the Pea. Sow every 10 days for succession. Medium and late Peas must be planted early; Extra Earlys may be planted again in August. Sow in single or double rows, from 4 to 6 feet apart, about an inch apart in the row, and 2 inches deep. 2 pounds to 100 feet of drill.

Note.—Those marked with a star (*) are wrinkled marrows. Those marked thus (†) are large-podded sorts.

EARLY VARIETIES

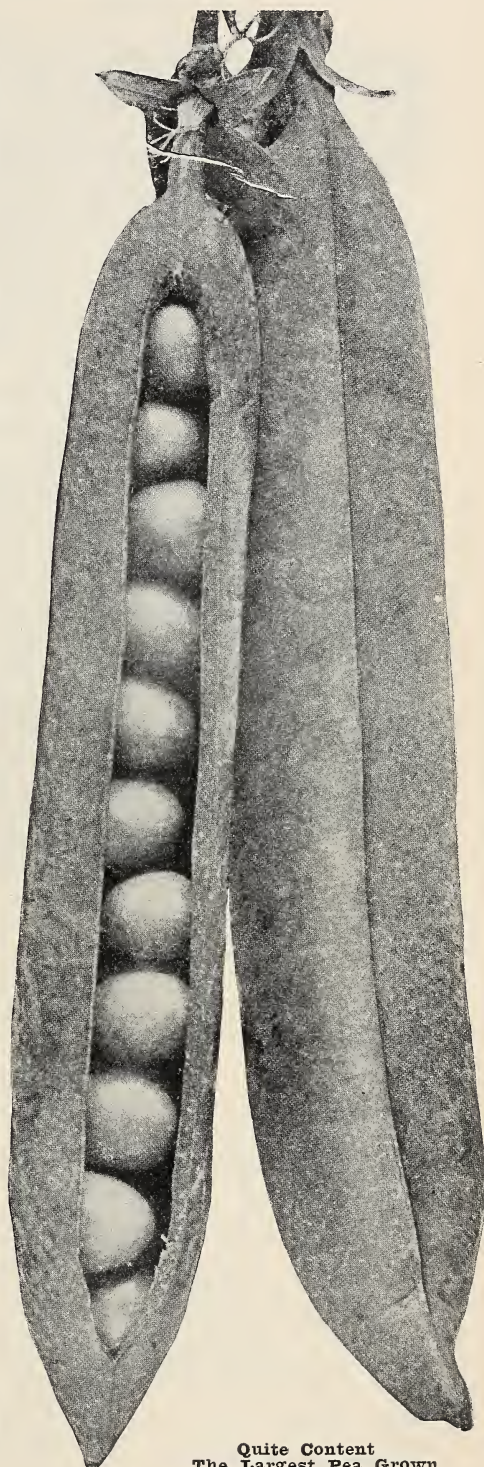
	Lb.	5 lbs.	10 lbs.
Alaska. One of the very earliest blue Peas. 2½ ft.	\$0.35	\$1.50	\$2.75
* American Wonder. Early and productive. 1 ft. ....	.35	1.50	2.75
Daisy. Very robust, and the crop of giant well-filled pods of good color is enormous. 1½ ft. ....	.40	1.85	3.50
First-of-All. Selected strain of extra-earlys. 2 ft. ....	.30	1.30	2.50
*† Gradus. also called Prosperity. Pods very large, filled with large "wrinkled" Peas of finest quality. Extra early. 3 ft. ....	.30	1.30	2.50
*† Laxtonian. Very large, dark green, curved pods and Peas of finest flavor; great yielder; very early. 2 ft. ....	.40	1.85	3.50
* Nott's Excelsior. Splendid early wrinkled sort; vert prolific. 1 ft. ....	.40	1.85	3.50
Premium Gem. Early; straight pods; well filled. 1 ft. ....	.40	1.85	3.50
* Sutton's Excelsior. As early as American Wonder. Pods filled with large Peas of finest flavor; very prolific. 1 ft. ....	.45	2.00	3.75
*† Thomas Laxton. Ripens within a day or two of the earliest round varieties; very productive; pods large. 3 ft. ....	.40	1.85	3.50
*† World's Record. Large-podded Pea of fine quality; very early. 4 ft. ....	.45	2.00	3.75

MEDIUM PEAS

* Horsford's Market-Garden. Style of Advancer; very prolific. 2½ ft. ....	.40	1.75	3.25
† Pride of the Market. Very large pods; Sow thinly. 2 ft. ....	.30	1.40	2.75
* Dwarf Champion. (Juno). Dwarf form of the popular Champion of England, with large pods; very productive. 2 ft. ....	.40	1.75	3.25

MAIN and LATE-CROP PEAS

*† Admiral Dewey. (Alderman). Enormous pods; large wrinkled Peas. 4 ft. ....	.40	1.75	3.25
Boston Unrivalled. Large pod; prolific; suitable for light soil. 4½ ft. ....	.40	1.75	3.25
*† Potlatch. A large-podded Pea; fine. 2 ft. ....	.40	1.75	3.25
*† Quite Content. (See illustration) The largest-podded pea in existence. The pods are truly gigantic in size, measuring from 5 to 6½ inches in length and closely filled with large sweet peas. 5 ft. ....	.55	2.50	4.75
*† Telephone. Enormous pods and Peas of best quality. 4 ft. ....	.40	1.75	3.25
Late Black-eyed Marrowfat. Very hardy and prolific. 3 ft. ....	.40	1.75	3.25



Quite Content
The Largest Pea Grown

Thorburn's Seeds Sown for a Century

Zucca
Potiron

PUMPKIN

Melonen-Kurbiss
Calabaza

CULTURE.—May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 to 10 feet apart each way, 4 seeds in a hill. Sow seeds about 1 inch deep, 1 ounce for 30 hills.

	Oz.	¼ lb.	Lb.
Large Cheese. Flat; one of the best varieties for family use.....	\$0.20	\$0.50	\$1.50
Early Sugar. Fine-grained, sweet and prolific; small; yellow.....	.20	.50	1.50
Cushaw white, or Jonathan. Excellent quality; fine for pies.....	.20	.60	2.00
Cushaw Mammoth Golden. A golden yellow variety of excellent quality..	.20	.50	1.50
Japanese Pie. Early; dark green; flesh yellow.....	.20	.50	1.50
Quaker Pie Bell-shaped, slightly crooked; very large; yellow, mottled green; yellow flesh.....	.20	.50	1.50
Winter Luxury. Medium size, nearly round; russet yellow; very thick light yellow flesh.....	.20	.50	1.50
Connecticut Field. Very large, oval, flattened ends; red; deep yellow skin and flesh.....	.15	.40	1.00

Pomme de Terre

POTATOES

Patatas

MAINE-GROWN EXPRESSLY FOR SEED



Carman No. 1 Potato

One barrel or sack weighs about 165 pounds net; one bushel, 60 pounds net

CULTURE.—Three to four barrels to the acre, 1 peck for 100 feet of row. Select a rich soil, neither dry or wet. Cut the potatoes into chunky pieces of one-quarter or so, not thin slices, trying not to cut the eyes and having about three eyes on each piece. Plant in rows 3 feet apart, and the sets 1 foot in the rows and about 4 inches deep. Place in bottom of hill a good handful of Thorburn's Complete Manure and mix with the soil. For diseases and pests in general, beginning when the plants are up to 6 to 8 inches, spray with a mixture of Bordeaux, Paris green and Arsenate of Lead, every two weeks or so.

These are prices ruling January 1st; later on they may be higher and are subject to change without notice. We ship Potatoes entirely at customer's risk.

EARLY POTATOES

	Peck	Bus.	Bbl. or Sack
Irish Cobbler. Fine; white; vigorous grower; cubical shape.....	\$1.75	\$5.00	\$13.00
Early Rose. Popular market sort; productive; pink skin.....	1.75	5.00	13.00

INTERMEDIATE and LATE POTATOES

Carman No. 1. This most valuable Potato was introduced by us in 1894, and it is a recognized high-class standard sort.....	1.75	5.00	13.00
Green Mountain. Oval shape; white skin and flesh; excellent; heavy yielder.....	1.75	5.00	13.00
Rural New Yorker. Fine, pure white skin and flesh; immense yielder; good table quality, cooking very mealy.....	1.75	5.00	13.00
Sir Walter Raleigh. Very productive; white flesh of best quality.....	2.00	5.50	14.50

Rabarbaro **RHUBARB** *Rulbarbo*

CULTURE.—If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the fall the bed should have a thick dressing of coarse manure, to be spaded under in spring.

	Pkt.	Oz.	¼ lb.
Victoria (Seed)	\$0.10	\$0.30	\$0.95
		Each	Doz.
Strong Roots of Victoria	\$0.25	\$2.50	

SALSIFY

Sassefrica *Salsifis* *Ostion Vegetal* *Haferwurzels*
(Vegetable Oyster)

CULTURE.—Sow as early as the ground can be worked in the spring, in drills 12 inches apart, ½ inch deep, and thin out to 6 inches in the row. Use 1 ounce to a 60-foot row; 8 to 10 pounds to the acre.

	Pkt.	Oz.	¼ lb.	Lb.
Mammoth Sandwich Island	\$0.10	\$0.50	\$1.25	\$4.00

Thorburn's Seeds Sown for a Century

Ravanello
Radis et Rave

RADISH

Radies
Rabanos y Rabanitos

CULTURE.—Sow as soon as the ground is dry in the spring, in rows 8 to 12 inches apart, and $\frac{1}{2}$ inch deep every week or 10 days for a succession up to the middle of June. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow 8 to 10 pounds to the acre; 1 ounce for 100- to 125-foot row.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Turnip, Early Scarlet. The French favorite.....	\$0.15	\$0.40	\$1.25

Turnip, Early Scarlet.

White-tipped.

For frames

or outdoors.....	.15	.40	1.25
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Turnip, Early Scarlet

Globe-shaped.

Fine for forcing

or open ground. Tender and crisp.....	.15	.40	1.25
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Turnip, Early Crimson

Giant Forcing.

Good also for outdoors.....

	.15	.50	1.50
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French Breakfast.

Pink and white; early.....

	.15	.40	1.25
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Olive-shaped Scarlet.

	.15	.40	1.25
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Long Icicle. Pure white; of fine flavor; suitable for forcing.....	.15	.50	1.50
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Long Scarlet. Long, crisp, and sweet.....	.15	.40	1.25
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	Oz.	$\frac{1}{4}$ lb.	Lb.
White Strasburg Summer. Very large; a popular favorite.....	\$0.15	\$0.55	\$1.85

Winter Rose Chinese Half-Long. Very handsome and distinct and keeps well....	.15	.50	1.60
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Winter Long Black Spanish. The popular winter sort.....	.15	.50	1.60
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Winter Round Black Spanish. Fine for winter.....	.15	.55	1.85
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Sakurajima (Mammoth Japan). The largest sort in cultivation. Thin well to allow of proper development.....	.25	.80	2.50
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Spinace
Epinard

SPINACH

Espinaca
Spinat

CULTURE.—Sow in early spring, $\frac{1}{2}$ inch deep, in drills a foot apart (10 to 12 pounds to the acre; 1 ounce to 100-foot drill), every two weeks for a succession, and, as it grows, thin out for use. Soil should be rich and light. Spade in plenty of compost or well-rotted manure.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Round Viroflay (Thick-leaved). Has very large, thick, dark green leaves...	\$0.10	\$0.25	\$0.75

Long Season, Thorburn's. Stands longer before running to seed than any other sort.....	.15	.25	.75
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Curled-leaved Savoy (Bloomsdale).....	.15	.30	.90
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Prickly, or Winter. Vigorous and hardy.....	.15	.30	.90
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Long-standing (Round Thick-leaved). Dark green; leaves large and thick.....	.15	.30	.80
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Victoria. Extra-dark, black-green color.....	.15	.30	.80
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New Zealand Summer. Not a Spinach, but used as such. Soak the seed in hot water before sowing.....	.15	.50	1.50
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Corzonere

SCORZONERA

Escorzonera

CULTURE.—Cultivate the same as salsify.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Also called Black Salsify.....	\$0.40	\$1.25	\$4.00

SORREL

Oseille

Acetosa

Acedera

Sauerampfer

CULTURE.—Sow in spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear.

	Pkt.	Oz.	$\frac{1}{4}$ Lb.
Garden. Large French.	\$0.10	\$0.25	\$0.80

Thorburn's Seeds Sown for a Century

*Zucca
Courge*

SQUASH

*Calabaza
Kurbiss*

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, the running kinds from 6 to 9 feet apart. Four ounces to 100 hills for bush varieties, and 8 ounces for running varieties.

BUSH VARIETIES

Packets 10c

	Oz.	¼ lb.	Lb.
Early White Scallop Bush. A good early shipping variety.....	\$0.15	\$0.55	\$1.75
Long Island White Bush. An improved strain of Early White Scallop Bush.....	.20	.60	2.00
Summer Crookneck, Yellow. Yellow fruit; distinct; best for summer.....	.20	.60	2.00

RUNNING VARIETIES

	Oz.	¼ lb.	Lb.
Delicata. Orange-yellow, striped green; small size, but very prolific.....	\$0.20	\$0.60	\$2.00
Delicious. Green skin; orange flesh; fine-grained, sweet and dry.....	.20	.60	2.00
Hubbard. Well known and liked for late use; fine for pies.....	.25	.75	2.50
Hubbard, Golden or Red. Same as above, but with orange-red skin.....	.15	.50	1.60
Hubbard, Mammoth Warted. Immense size, covered with warts.....	.20	.70	2.25

VEGETABLE MARROW

	Pkt.	Oz.	¼ lb.	Lb.
English White Trailing	\$0.15	\$0.35	\$1.00	\$3.50



Early Snowball Turnips

*Navone
Navet*

TURNIP

*Nabo
Weisse-Rube*

CULTURE.—For early Turnips, sow as soon as the ground opens in spring. Kinds for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained by cultivating in drills 18 inches apart and thinning to 6 inches in the drill. Sow in shallow drills, 1 pound to the acre; 1 ounce to 150 feet of drill; broadcast, 2 to 3 pounds to the acre.

WHITE VARIETIES

	Oz.	¼ lb.	Lb.
Cow Horn. Long; white; in shape resembling a cow's horn.....	\$0.10	\$0.30	\$1.00
Early Snowball. Small; of rapid growth; pure white.....	.15	.35	1.25
Globe-shaped Red-Top. A standard sort in the New York Market.....	.15	.35	1.25
Globe Pomeranian White. Good either for table or stock.....	.15	.35	1.25
Milan, Early Purple-Crown. Earliest of all; white, with purple top..	.15	.50	1.50
Milan, Early Pure White. Very handsome; pure white; crisp and tender...	.20	.70	2.50

YELLOW VARIETY

Golden Ball. Very handsome; keeps very well.....	.20	.50	1.75
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Thorburn's Seeds Sown for a Century

RUTABAGA

CULTURE.—Sow in July, thinly in rows. Cover firmly with $\frac{1}{2}$ inch of fine soil. Thin plants to stand 6 inches apart in the row.

	Oz.	$\frac{1}{4}$ lb.	Lb.
American Purple-Top. Yellow flesh; large, for table or stock feeding..	\$0.15	\$0.25	\$0.85
Champion Purple-Top. Very large.....	.15	.25	.85
Thorburn's Family. For family use.....	.15	.25	.85

Pomo D'Oro
Pomo D'oro

TOMATO

Tomate
Liebesapfel

CULTURE.—Sow in a hotbed in early spring, about $\frac{1}{8}$ inch deep, or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of making a hotbed. One ounce will produce 1,500 to 2,000 plants. Transplant to the open ground when all danger of frost is past, setting the plants 3 to 4 feet apart each way. Soil should not be wet, but should have a good supply of moisture. It should be deep, with plenty of well-rotted manure.

The varieties marked (*) are best for forcing

The New Marglobe Tomato

The most important introduction since Bonny Best. An unusually productive hybrid of great promise.

Days to Maturity, 140. It is a hybrid from Marvel, a Government strain developed from Vil-morin's Marvel of the Market, and Livingston Globe, a pink-fleshed Tomato. This stock has been selected for a pure scarlet, globe-shaped type, having the fine characteristics of the Globe. Being a hybrid, however, it has far more vigor than the Globe, is a much heavier producer, and is slightly earlier. Its magnificent appearance makes it a valuable market Tomato; sweet flavored, popular variety for home consumption. Pkt. 25c.; oz. \$1.75; $\frac{1}{4}$ lb. \$6.50; lb. \$22.00.

Packets 10 cts. except where noted.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Ace. Medium size; smooth and good; crimson.....	\$0.35	\$1.30	\$4.50
Beauty. Large; smooth; dark crimson; thick flesh; regular form.....	.35	1.15	4.00
Bonny Best. Very early; scarlet; medium to full market size.....	.35	1.25	4.50
Buckeye State. Large and productive; crimson; good quality.....	.35	1.25	4.50
Chalk's Early Jewel. Fine; large; solid; smooth; scarlet.....	.30	1.00	3.75
Crimson Cushion. Extra large; handsome; bright crimson.....	.40	1.50	5.00



Livingston's Globe Tomato

***Carter's Sunrise.** Medium-sized, bright scarlet fruits; smooth and solid; for forcing or for outdoors. Pkt. 20c..

2.50

Diener Tomato. Said by the introducer to be larger than any other. Dark red, solid flesh, averaging 1 lb. each..

1.00 3.50

Dwarf Champion. Quite distinct; early; medium size; good quality.....

.30 1.00 3.50

***Earliana.** Extra early; cardinal - scar-

.35 1.25 4.00

Golden Queen. Smooth; gold-

.35 1.25 4.00

John Baer. Early; red; large; prolific.....

.50 1.50 5.50

Livingston's Globe. Very ear-

.40 1.40 5.00

Ponderosa. The largest variety in cul-

.60 2.25 8.50

Stone, Thorburn's. Very large; perfectly smooth; fine dark scarlet.....

.40 1.50 5.00

Trophy. Very solid; standard late.....

.40 1.50 5.00

Trucker's Favorite. Crimson; large; smooth and very regular in form.....

.35 1.25 4.50

SMALL-FRUITED TOMATOES

For pickling and preserving. Also invaluable for garnishing.

	Pkt.	Oz.	$\frac{1}{4}$ Lb.		Pkt.	Oz.	$\frac{1}{4}$ Lb.
Red Cherry	\$0.10	\$0.50	\$1.75	Red Peach	\$0.10	\$0.50	\$1.75
Red Pear.....	.10	.50	1.75	Yellow Cherry.....	.10	.50	1.75

Thorburn's Seeds Sown for a Century



LAWN GRASS SEED

How to Make a Lawn

To produce a good lawn requires considerable work; do not make the mistake of trying to cheapen the preparation, for nowhere in the garden is the old axiom of "what is worth doing, is worth doing well," better illustrated than in lawn-making.

The soil must be deep; a good lawn cannot exist on poor soil. Plow the ground deeply—a foot is none too much. Apply to the soil before plowing, a heavy coating of well-rotted stable manure. Fresh manure carries too many weed-seeds; its use should be avoided. If rotted manure is not available, sheep manure or chemical fertilizers may be substituted.

Ground bone meal, $1\frac{1}{2}$ tons to the acre, is a good lawn fertilizer, furnishing plant food over a long period; 100 pounds of nitrate of soda and 100 pounds of dried blood to the acre should be applied at the same time; these furnish nitrogen for immediate use. Sheep manure at the rate of 1,000 pounds to the acre may be used instead of nitrate of soda and dried blood. When only a small lawn is being made, use 20 pounds of bone meal to 250 square feet, $\frac{1}{2}$ pound each of nitrate of soda and dried blood, or 6 pounds of sheep manure. Harrow and cross-harrow until the ground is thoroughly pulverized; the better harrowed the ground is, the better the grass will grow and the more permanent the lawn.

An acre requires 125 pounds of seed or one pound to each 250 square feet. Harrow or rake the ground lightly, and roll with a heavy roller.

THE THORBURN LAWN GRASS MIXTURE

Produces a splendid turf of a beautiful color and texture; quick growth and permanent. 1 lb. 55c.; 10 lbs. \$5.00; 25 lbs. \$11.00; 100 lbs. \$40.00.

LAWN GRASS SEED FOR THE SOUTH

This is a splendid mixture of grasses particularly adapted to withstand extremes of drought and heat. 1 lb. 65c.; 10 lbs. \$5.50; 25 lbs. \$13.00; 100 lbs. \$47.50.

LAWN-RESTORING MIXTURE

For reseeded of old lawns. Quickly takes hold where the grass is thin and in hard or worn spots. 1 lb. 65c.; 10 lbs. \$5.00; 25 lbs. \$12.00; 100 lbs. \$45.00.

POLO AND PLAY-GROUND MIXTURE

Produces a turf of good color and texture which withstands hard wear. 10 lbs. \$6.00; 25 lbs. \$14.00; 100 lbs. \$50.00.

SPECIAL SHADY MIXTURE

Adapted for shady places under trees or close to walls and hedges. 1 lb. 70c.; 10 lbs. \$6.50; 25 lbs. \$15.00; 100 lbs. \$55.00.

SEASHORE MIXTURE

Specially compounded for successful sowing in sandy soil and under difficult climatic conditions, etc. 1 lb. 55c.; 10 lbs. \$4.50; 25 lbs. \$10.50; 100 lbs. \$40.00.

TERRACE MIXTURE

Suitable for terraces. Compounded of grasses which take root in such a way as to prevent erosion, yet give a beautiful turf. 1 lb. 65c.; 10 lbs. \$4.50; 25 lbs. \$10.50; 100 lbs. \$40.00.

Thorburn's Seeds Sown for a Century

GRASS SEED MIXTURES FOR MEADOWS AND PASTURES

It is a well-ascertained fact that thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. Grass Seed may be sown either early in spring or in fall, from the first of September to the middle of October; in this latitude the best time to sow meadow Grass Seed is during the late summer and early fall, that being the natural seeding time for grass. This will, of course, not give very much of a crop the following year; the grass will be fine and thick, but rather short, and not a heavy yield. The best meadows are seeded alone, without any "nurse" crop, while if seeded with rye, that crop being the stronger and quicker grower, will monopolize the ground so that it will be another year before much of a crop of grass can be had.

For over a hundred years the House of Thorburn has made a specialty of grasses. We were probably the first to introduce to this country, for commercial distribution, the many valuable natural and cultivated foreign species that now take such an important part in our agricultural economy. The formation of permanent pastures and meadows has, for many years, been a subject of careful study with us, and the Thorburn Mixtures for seeding grass-lands has received universal recognition. *The quantities given are the minimum, and may often be increased to advantage.*

Prices f. o. b. New York and subject to market fluctuations without notice

MEADOW MIXTURES, Both Hay and Pasture

	20 lbs.	100 lbs.
For Light Soils. 100 lbs. to the acre.....	\$8.50	\$40.00
For Heavy Soils. 90 lbs. to the acre.....	9.00	42.00
For Woodland. 100 lbs. to the acre.....	9.50	45.00

PASTURE MIXTURES

For Light Soils. 80 lbs. to the acre.....	8.00	37.50
For Heavy, Wet Soils. 80 lbs. to the acre.....	9.00	42.00
For Woodland. 90 lbs. to the acre.....	9.50	45.00

If areas to be sown contain both light and heavy spots, we recommend that they be sown separately with the proper mixtures. This method is more economical than using a mixture presumed to be adapted to such a composite situation.

If You Desire to Sow for HAY ONLY, Use

	10 lbs.	25 lbs.	100 lbs.
TIMOTHY. Best Grade. 30 lbs. to the acre.....	\$1.85	\$4.25	\$16.00

WET GROUND. We strongly recommend that wet ground be sown in late August. Such areas are usually foul with weeds and in addition are water-logged in early spring, rendering it impossible to properly prepare the seed bed. The weeds crowd out the young grass and a poor stand is obtained. In August the ground is dry and warm, the weeds have finished growing, consequently the grass, which by nature grows best in the early fall, quickly establishes itself before winter.

Grasses in Separate Varieties

Grass Seeds are scarce this season. Prices subject to fluctuation

	Lb.	100 lbs.
Canada Blue Grass. Useful for sowing on hard clay, and poor soils. Gives a large crop of hay. Sow 60 lbs. per acre. Weight per bus., 14 lbs.....	\$0.55	\$50.00
Chewing's Fescue. Excellent for fairways and putting-greens. Thrives also in shady places. Weight per bus., 26 lbs.....	.60	55.00
Colonial Bent. Grown in New Zealand. A desirable grass for putting-greens. Weight per bus., 16 lbs.....	1.85	160.00
Creeping Bent (South German Mixed Bent). A natural grass from the forests of southern Germany. Used largely in this country for putting-greens. Weight per bus., 16 lbs.	1.75	160.00
Crested Dog's-tail. Valuable for pastures and lawns. Weight per bus., 20 lbs.....	1.00	90.00
English Rye Grass. Very nutritious, valuable for meadows and pastures. Sow 60 lbs. to the acre. Weight per bus., 24 lbs.....	.30	25.00
Fine-Leaved Fescue. Suitable for lawns and putting-greens. Weight per bus., 16 lbs..	1.50	125.00
Hard Fescue. Weight per bus., 20 lbs.....	.55	47.50
Italian Rye Grass. Thrives in any soil and yields early and abundant crops. Valuable for pasture mixtures. Sow 50 lbs. per acre. Weight per bus., 24 lbs.....	.30	25.00
Kentucky Blue Grass. This is the most hardy and valuable of all northern grasses. Especially useful for lawns, meadows and rich lands. Sow 70 lbs. per acre for lawns, 40 lbs. for pasture. Weight per bus., 21 lbs.....	.50	47.50

Thorburn's Seeds Sown for a Century

GRASSES IN SEPARATE VARIETIES—Continued

	Lb.	100 lbs.
Meadow Fescue. An excellent grass of great value in mixtures for permanent pastures. Sow 45 lbs. per acre. Weight per bus., 24 lbs.....	\$0.35	\$30.00
Meadow Foxtail. One of the earliest and best pasture grasses. Sow 30 lbs. per acre. Weight per bus., 10 lbs.....	1.50	125.00
Orchard Grass. Adapted for growing in shady places or under trees. One of the most valuable for pastures; makes a good hay. Weight per bus., 14 lbs.....	.40	35.00
Red, or Creeping Fescue (European). Valuable for lawns and sandy soils. Specially useful for putting-greens. Sow 35 lbs. per acre. Weight per bus., 24 lbs.....	.50	45.00
Red Top, Fancy, or Re-cleaned. Free from chaff. Splendid for lawns and pastures. Weight per bus., 36 lbs.....	.55	50.00
Rhode Island Bent. One of the best grasses for lawns. Weight per bus., 14 lbs. Very scarce.....	1.85	160.00
Rough-Stalk Meadow Grass. Will thrive under dense shade, providing the situation is moist. Weight per bus., 18 lbs.....	1.00	90.00
Sheep Fescue. A valuable variety for the rough. Requires only one cutting the whole season. Weight per bus., 20 lbs.....	.50	45.00
Sudan Grass. Very valuable grass for hay, especially in sections subject to drought; grows 4 to 9 ft. high, and yields three to five tons of excellent hay per acre. Sow 25 lbs. per acre.....	.30	25.00
Tall Fescue. Used for pastures. Weight per bus., 22 lbs.....	1.00	90.00
Timothy. A field and not a pasture grass, as it will not endure close and frequent cropping. If used alone, sow 30 lbs. to the acre. Weight per bus., 45 lbs.....	.25	16.00
Wood Meadow Grass. A desirable grass for shady places. From the Black Forest of Germany.....	1.50	140.00

CLOVERS

Crimson, or Scarlet (<i>Trifolium incarnatum</i>.) An annual variety for feeding green and for hay. Sow 15 to 20 lbs. per acre.....	.35	32.50
Alfalfa (Lucerne). Requires a deep, rich soil, and in such will produce several large crops every season. Sow 20 to 25 lbs. per acre.....	.35	32.50
Alfalfa, Grimm's. Very hardy and productive; thrives well on hardpan soils, and better suited to wet soils than other Alfalfas.....	.70	60.00
Alsike Clover. Resembles in growth, duration, etc., the Red Clover; thrives well in cold, wet and stiff soils. Sow 10 lbs. per acre if used alone.....	.45	42.50
Medium Red Clover (<i>Trifolium pratense</i>). Considered most nutritious of all species; best in moist locations. Sow spring or fall. 20 lbs. per acre.....	.55	52.50
Large Red, or Pea Vine Clover (<i>Trifolium pratense perenne</i>). The English Cow Grass for plowing under. Sow 15 lbs. per acre.....	.60	57.50
Sweet Clover, Bokhara (<i>Melilotus alba</i>). Especially suitable for bees, also used as a fertilizer.....	.35	30.00
Sweet Clover, Hubam. Annual white blossom.....	.45	40.00
White Clover (<i>Trifolium repens</i>). Valuable for lawns. Sow in spring at the rate of 8 pounds per acre, or when used with other grasses half that amount.....	.70	65.00

FIELD CORN

(56 pounds to the bushel). All grown especially for seed. Prices f. o. b. New York and **subject to change without notice.**

FLINT VARIETIES

	Peck	Bus.
CANADA EARLY YELLOW. Very early; yellow flint; 8-rowed.....	\$1.50	\$5.00
LONGFELLOW (Yellow Flint). Small cob and large grain; popular 8-rowed variety.....	1.50	5.00

DENT VARIETIES

IOWA SILVER MINE. Large grain; dent; white cob; ripens in about 100 days.....	1.50	5.00
LEAMING EARLY. Large; deep grains; dull yellow; early and productive.....	1.50	5.00

FODDER AND ENSILAGE VARIETIES

VIRGINIA HORSE-TOOTH. For fodder and ensilage.....	1.10	4.00
EUREKA WHITE ENSILAGE.	1.10	4.00
LUCE'S FAVORITE.	1.50	5.50

Thorburn's Seeds Sown for a Century

MISCELLANEOUS CEREALS, Etc.

Prices F. O. B. New York and Subject to Change Without Notice

	Bus.
BARLEY. Champion Beardless. The straw is good for green feed or, when, cured, as hay. Sow broadcast 2 bushels to the acre.....	\$3.50
BUCKWHEAT. Japanese. This is the best variety. Sow in June, 1½ bushels to the acre..	5.00
MILLET. Golden. Extra large heads. Sow 1 bushel per acre.....	5.00
MILLET. Hungarian. Does well on low ground. Sow 1 bushel to the acre.....	6.00
MILLET. Japanese. Grows from 5 to 7 feet high. Sow ½ bushel to the acre.....	5.00
OATS. Sow 2 to 3 bushels per acre.	
Storm King. Large grain. Heavy yield.....	3.00
Swedish Select.	4.40
RYE. Sow 1½ bushels per acre.	
Mammoth Winter.	3.00
Spring Rye.	3.00
WHEAT. Winter. Sow 1½ bushels to the acre.	
Red Wave. Bald; red grain.....	4.50
SUNFLOWER. Mammoth Russian. One of the finest feeds for poultry. Cultivate like corn. Sow 2 pecks to the acre.....	5.00

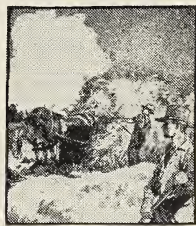
FOR SOIL IMPROVEMENT AND FORAGE

Prices f. o. b. New York, Subject to Change Without Notice

	Bus.
COWPEAS (<i>Vigna Catjang</i>). Sow from May to July, 2½ bushels to acre. (Bu. 60 lbs.)	
Whippoorwill. Brown-spotted seed; makes a good growth of vine.....	\$8.00
CANADA FIELD PEAS. Valuable for stock feeding; also for plowing under. 3 bushels to acre. (Bu. 60 lbs.) When sown with oats, 1½ bushels to acre.....	7.00
RAPE, DWARF ESSEX (<i>Brassica Napus</i>). Sow from May to July in drills 5 pounds to acre (Bu. 50 lbs.).....	8.50
SPRING VETCH (<i>Vicia Sativa</i>). Sow broadcast in early spring, 2 bushels to acre, with oats 1 bushel. (Bu. 60 lbs.).....	8.50
WINTER VETCH (<i>Vicia villosa</i>). Can be sown in spring or fall. Mix with Rye to give support to vines. Does well on poor light soils, preventing erosion, and adds to fertility of land.....	17.50
SOY BEANS (<i>Glycine Hispida</i>). If sown alone in drills 2½ inches apart, use 3 pecks per acre. Broadcast 1½ bushels to acre.	
Mammoth Yellow. (Bu. 60 lbs.).....	8.00



Inoculate Your
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
and
Other Legume Crops
WITH
Mulford Cultures
FOR LEGUMES
Small Cost Large Returns Easy to Use No Labor Expense



Prices for Mulford Culture Concentrates

For Small Seeds

Alfalfa
Crimson Clover
Sweet Clover
White Clover
Red Clover
Alsike Clover
Mammoth Clover
Burr Clover
Yellow Clover
Berseem Clover
Sain Foin
Lespedeza
Beggar Weed

10 bushel size....	\$8.00
2½ bushel size..	2.25
1 bushel size....	1.00
½ bushel size..	.60

For Large Seeds

Cow Peas
Soy Beans
Canada Field Peas
Peanuts
Vetch
Velvet Beans
Perennial Peas
Sweet Peas
Garden Peas
Garden Beans
Lima Beans
Lupins

20 bushel size....	\$8.00
5 bushel size....	2.25
2 bushel size....	1.00
1 bushel size....	.60

Garden size (composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas), 35c

How Supplied

MULFORD CULTURES for Legumes are supplied in concentrated form, labelled according to the exact amount of culture material (concentrate) actually supplied in each bottle (1 ounce, 3 ounce, etc.), with definite recommendations, in terms of bushels, as to the amount of seed same will inoculate. This basis simplifies the question of determining the correct quantity of culture required for proper inoculation.

The packages are in convenient sizes, ready for use. The directions which accompany each package, are plain and easy to follow. In ordering, be careful to specify what crops are to be inoculated.

Why buy expensive commercial nitrates when you can grow legume crops and thus increase your yield, and, at the same time, increase the nitrates and enrich and renovate the soil, by Nature's own method?

Distributed by

J. M. THORBURN & CO.

148 Chambers Street, New York



CULTURAL HINTS ON FLOWER SEEDS

The following abbreviations are used throughout the Flower Seed Department:

HA., Hardy Annuals
HHA., Half-Hardy Annuals
TA., Tender Annuals
HP., Hardy Perennials

HHP., Half-Hardy Perennials
HB., Hardy Biennials
HHB., Half-Hardy Biennials
HC., Hardy Climbers

GP., Greenhouse Plants
GS., Greenhouse Shrubs
GB., Greenhouse Bulbs
GC., Greenhouse Climbers

Hardy Annuals, HA. A rich, sandy loam, made very fine, is the most suitable soil for the smaller Hardy Annuals. There is nothing better than soil taken from old hotbeds, or sods from an old pasture that have been piled up and allowed to rot for two to three years, and then mixed with a little old stable manure and sand. The soil should be placed in shallow boxes or pots and set in a warm window, hotbed, or, if possible, in a greenhouse. Use shallow boxes or seed-pans from 2 to 3 inches deep, and of convenient size.

Sow the seed in April or May, according to your latitude. Do not make the mistake of sowing the seed too deeply—covering only to the depth of the thickness of the seeds is generally sufficient, except in the case of Sweet Peas, which should be planted 2 inches deep, or in the case of medium-sized seeds, like Balsams and Zinnias, which should be planted at least a half inch or more. Fine seeds, such as Portulacas, need only to be pressed into the soil with a piece of board or the palm of the hand. The earth should always be pressed down firmly after sowing flower seeds, or there is danger of their drying up before the roots get firm hold of the soil.

After the seeds are up, plenty of air and moisture should be given them, but water should be judiciously applied or they will "damp off." Transplanting to other boxes may be done when the young plants are well out of the seed-leaf. When pots are not available, boxes, and the like may be used.

Half-Hardy Annuals, HHA. Follow same cultural directions as given for Hardy Annuals. Seed may be sown any time after April 15th, as the hotbed will be sufficient protection, but it is advisable to cover the glass with a mat or straw until danger of frost is past. Give plenty of ventilation during the day. After May 30th sow in the border, like Hardy Annuals.

Tender Annuals, TA. Use very light sandy compost and provide drainage in the pots by placing pieces of broken pots or bits of sod in the bottom. Cover the finer seeds no more than $\frac{1}{8}$ inch deep and press the soil firmly over them. In order to have early bloom and strong plants, sow the seed in boxes in March, placing them in a warm greenhouse or plunging in a moderate hotbed, being careful to protect them from the cold, shade them from the midday sun, and water with a fine hose.

Hardy Perennials, HP. Follow the same cultural directions as given for Hardy Annuals, using the same soil, but the Perennials may be sown in the open border from July to September. The seeds of many perennials are slow to germinate, some requiring several months and some as long as two years. It is a good idea to cover the plants lightly with straw, leaves, or any dry litter, as soon as the frosts commence, so that they may be protected from the extremely severe winter weather.

Half-Hardy Perennials, HHP. Use same soil and cultural directions as for Hardy Annuals. Nearly all kinds of Half-Hardy Perennials may be sown in the open border in a warm and sunny spot as soon as the soil has become dry and warm, so that those who do not have cold-frames or greenhouses need not be deprived of this class of flowers, though they have to wait a little later for their blooms.

Hardy Biennials, HB. These require the same soil and treatment as the Hardy Perennials.

Half-Hardy Biennials, HHB. Use same cultural directions as given for Half-Hardy Perennials.

Hardy Climbers, HC. Follow same cultural directions as given for Hardy Annuals or Hardy Perennials, depending on which class they belong to.

N. B.—If permission is given us to substitute, we shall use our best judgment in sending equally good sorts for those originally ordered, or a memorandum will be kept of any items not sent and the seeds will be forwarded as soon as they arrive.

ALPHABETICAL LIST OF FLOWER SEEDS

ACHILLEA

Ptarmica, Double, "The Pearl." Free-blooming, hardy perennial. The pure white flowers are borne in clusters on long stems. 1½ ft. ¼ oz. \$2.00.....\$0.25 Pkt.

ACROCLINIUM

Showy, half-hardy annuals for the summer garden, with Everlasting flowers, which are much used for winter decorations. 1 ft. Pkt.

Double Rose.....\$0.10
Double Mixed......10

ADONIS

vernalis (Ox-Eye). HP. Bright yellow; spring blooming. Succeeds well in any common soil. 1 ft. ¼ oz. 50c.....\$0.10

AGERATUM

Exceedingly attractive when mingled with alyssum, candytuft, etc. They grow well almost anywhere and bloom the whole season. The dwarf blue sorts make fine borders. Sow under glass early in the season, or later outdoors in a mellow seed-bed. Hardy annual.



Ageratum, Blue Perfection

Blue Perfection. Fine dwarf variety, with large flowers. 9 in. ¼ oz. 50c.....\$0.10 Pkt.
Imperial Dwarf White. Excellent for edgings. 9 in......15
Little Dorrit. Azure-blue. Plants 6 in. high, 1 ft. wide. ¼ oz. 50c......15
Little Blue Star. Bright blue flowers, fine for carpet bedding. 5 in......35
Swanley Blue. A fine, large-flowered sort..10

AGROSTEMMA

All of easiest cultivation, blooming during summer and autumn.

coronaria (Rose Champion). HP.....\$0.10 Pkt.
" **Mixed.** HP. 2 ft......10



Alyssum, White Carpet

ALYSSUM

Most popular, free-blooming annual; suitable for borders, baskets, pots, rockwork, and for cutting. Sow seed lightly in intended situation for blooming.

maritimum (Sweet Alyssum). HA. Fragrant white flowers, in clusters, all summer. 1 ft. Oz. 60c.....\$0.10 Pkt.
compactum lilacinum (Lilac Queen)......15
" **Little Gem.** Grows erect. 6 in. Oz. \$1.00......15
procumbens, White Carpet. Of trailing habit, forming a dense mass. Oz. \$1.00...15
saxatile compactum (Gold Dust). HP. Single plants cover a square foot in a year and produce hundreds of yellow flower-heads. 1 ft. ¼ oz. \$1.00......20

ANCHUSA

Both the annuals and the perennials of this attractive plant succeed well in the garden border. Fine for cut-flowers and bouquets.

capensis (Cape Forget-Me-Not). HHA. Azure-blue. 1½ ft.....\$0.15 Pkt.
italica, Dropmore variety. HP. Blue. 3 ft. ½ oz. 50c......20

Thorburn's Seeds Sown for a Century

ASTERS

The Aster will thrive in any soil, from a light sand to a heavy clay.

Cover seed with $\frac{1}{4}$ inch of soil. If the soil is too poor, add a good supply of Ground Bone, mixing thoroughly.

Seed sown in the open ground in May will produce plants that will bloom finely in September and October. When the plants have three or four leaves, transplant, 12 to 18 inches apart each way, into well-prepared beds.

Many of our customers have complained that the listing of Asters is too confusing. We have, therefore simplified our list as much as possible.

AMERICAN LATE BRANCHING

The Giant Branching type with large full flowers and incurved petals, borne on stout stems. Most desirable for cutting.

	Pkt.	$\frac{1}{4}$ oz.
Lavender.....	\$0.15	\$0.75
Azure Blue.....	.15	.75
Purple.....	.15	.75
September (Shell Pink).....	.15	.75
Rose.....	.15	.75
Mixed.....	.10	.75
HEART OF FRANCE. Beautiful rich, ruby red.....	.25	1.25

CREGO GIANT

MIDSEASON

Petals wavyly reflected, curled and twisted; flowers of extraordinary size and beauty. 2 ft.

	Pkt.	$\frac{1}{4}$ oz.
Lavender.....	\$0.15	\$1.00
Light Blue.....	.15	1.00
Crimson.....	.15	1.00
Purple.....	.15	1.00
Rose.....	.15	1.00
Pink.....	.15	1.00
White.....	.15	1.00
Mixed.....	.10	1.00

KING, or RAY

The blooms are very large, with long, narrow petals; strong grower; long stems.

	Pkt.	$\frac{1}{4}$ oz.
Crimson.....	\$0.15	\$1.25
Lavender.....	.15	1.25
Pink.....	.15	1.25
Rose.....	.15	1.25
Violet.....	.15	1.25
White.....	.15	1.25
Mixed.....	.10	1.10

QUEEN OF THE MARKET

EARLY

The best very early Aster, growing not over 1 foot high; excellent for bouquets.

	Pkt.	$\frac{1}{4}$ oz.
Dark Blue.....	\$0.15	\$0.60
Light Blue.....	.15	.60
Crimson.....	.15	.60
Rose.....	.15	.60
Scarlet.....	.15	.60
White.....	.15	.60
Mixed.....	.10	.60

SINGLE FLOWERING VARIETIES

	Pkt.	$\frac{1}{4}$ oz.
Dark Blue.....	\$0.15	\$1.00
Lavender.....	.15	1.00
White.....	.15	1.00

ARABIS alpina (Rock Cress). White. 9 in.

An early-flowering, hardy perennial especially suited for edgings and rockwork; of easy culture. $\frac{1}{4}$ oz. 60c; pkt. 20c.



Arctotis, Grandis

ARCTOTIS (African Daisy)

grandis. HHA. White and lilac. Excellent for cutting. 2 ft. $\frac{1}{8}$ oz. 40c.....

Pkt. \$0.15

AQUILEGIA (Columbine)

Few hardy perennials are so easily grown from seed, and give such unalloyed satisfaction. A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in spring, preferably where the plants are to grow, and thin to about a foot apart.

	Pkt.
chrysantha. Golden yellow; flowers large, long-spurred. 3 ft. $\frac{1}{8}$ oz. 50c.....	\$0.15
caerulea (Rocky Mountain Blue Columbine). Sepals blue, petals white. 3 ft.....	.35
Long - Spurred Hybrids, Extra Choice Mixed. $\frac{1}{8}$ oz. 75c.....	.30

AUBRIETIA deltoidea. HP. Lilac; very pretty. Trailers for beds, rockwork, or herbaceous borders; resembles alyssum.....

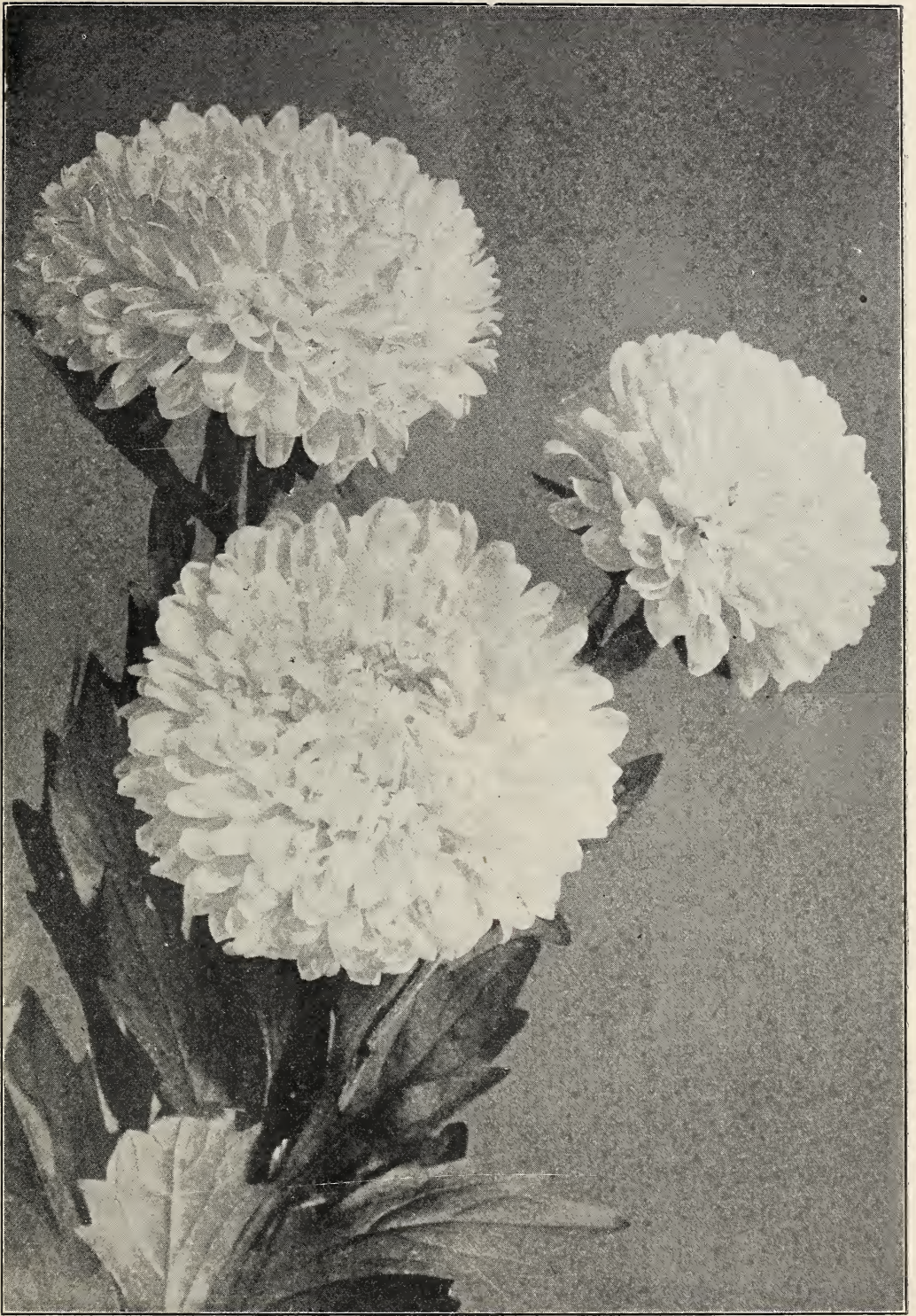
.20

AURICULA (Primula auricula)

Finest Mixed. HP. Beautiful shades of color.

These early spring-blooming garden Primroses are great favorites. 6 in.....

\$0.35



Aster, Queen of the Market

1 Collection—6 Splendid Varieties, 50 cents, postpaid.

Thorburn's Seeds Sown for a Century



Aquilegia, Long-spurred Hybrids

BALLOON VINE

Pkt.

(Cardiospermum). A pretty and fast-growing, half-hardy annual climber, with white blossoms. 10 ft. $\frac{1}{4}$ oz. 20c., oz. 60c.....\$0.10

BALSAM

(Lady's Slipper). These favorite half-hardy annuals are of the easiest culture, but love hot sun, rich soil and plenty of water. The young plants are quick, sure growers, and, from seed sown in the open ground in May, soon form handsome bushes thickly massed with large, rose-like flowers.

Pkt.

Choicest Double, Mixed. A splendid assortment. Oz. \$1.75.....\$0.15

Camellia-flowered, Crimson. Oz. \$1.50... .15

“ **White.** Oz. \$1.50..... .15

“ **Lilac.** Oz. \$1.50..... .15

“ **Light Pink.** Oz. \$1.50. .15

BEGONIA

Begonias are invaluable for growing in beds and borders; also for pot culture, being perfect in habit, with very handsome foliage. Average height about 1 foot. The seeds of all varieties should be started early. GP.

Pkt.

gracilis luminosa. Dark scarlet; reddish foliage; winter-flowering; fine for pots.....\$0.25

semperflorens rosea. Rose-colored flowers:

“ fine for edging..... .35

“ **alba.** White flowers, borne in profusion..... .50

“ **Vernon.** Red; for borders.. .25

BRACHYCOME

The well-known “Swan-River Daisy” is a beautiful, little, half-hardy annual; blooms all summer; fine for edgings and borders. Should be started in hotbed. 1 ft.

Pkt.

iberidifolia. Mixed......\$0.10

BROWALLIA

(Amethyst). Half-hardy, profuse-blooming annual, highly prized for summer bedding or as greenhouse plants. Fine for cutting. 2 ft.

Pkt.

elata. Mixed......\$0.25

Speciosa Major. Blue..... .25

CALCEOLARIA

The seeds are very small, and should be sown in the greenhouse on the surface of shallow boxes filled with a light, sandy soil, which has been sifted. Sow moderately thick in rows on the surface and cover very lightly with sifted sphagnum moss, cocoanut waste or very light soil. Press the soil firmly on the seed. The watering should be done carefully; an atomizer or brush is best. Soil should be light and rich.

Pkt.

Choicest Hybrids, Mixed. Large-flowered; tigered or spotted. 2 ft.....\$0.75

Rugosa, mixed. Finest shrubby varieties for bedding..... .50



Calendula, Orange King



Campanula, Persicifolia

CALENDULA

Hardy annuals about 1 foot high. Sow in the open early in spring and the plants will bloom early in summer. Excellent for cutting and produced in great profusion until late in autumn.

Pkt.

Orange King. Double; large-flowered; deep orange. $\frac{1}{4}$ oz. 40c.....\$0.15

Meteor. Creamy center, edged with orange. Oz. 50c..... .10

Prince of Orange. Glittering orange and yellow. $\frac{1}{4}$ oz. 25c..... .10

CALLIOPSIS

Sow in open ground in spring, and, in thinning or transplanting, give the plants plenty of room to spread. Their tall, slender habit makes neat staking and tying necessary. Fine for cutting. HA.

Pkt.

Bicolor. Yellow-brown, 2 ft. $\frac{1}{4}$ oz. 50c....\$0.10

Drummondii (Golden Wave). Golden brown. 1 ft. $\frac{1}{4}$ oz. 50c..... .10

COREOPSIS

(Perennial Calliopsis). One of our finest hardy perennials; blooms practically all summer; fine for borders and groups.

Pkt.

Grandiflora. Large flowers of rich yellow, 2 ft. $\frac{1}{4}$ oz. 50c.....\$0.15

Lanceolata grandiflora. Large, golden yellow flowers; fine for cutting. $\frac{1}{4}$ oz. 50c... .15

CANDYTUFT

The Candytufts are among out best hardy annuals for edgings, bedding, massing or rockeries, and for cutting. Sow outdoors in April, and thin well when the plants have grown about an inch. Give rich soil and water freely.

Pkt.

Empress. White, 1 ft. $\frac{1}{4}$ oz. 30c., oz. \$1.00.\$0.10

Giant Hyacinth-flowered. White flowers borne in large trusses. $\frac{1}{4}$ oz. 50c..... .15

Mixed. Oz. 75c..... .10

PERENNIAL CANDYTUFT. They bloom very early, cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place.

Pkt.

Sempervirens. White flowers remain fresh nearly a month. 1 ft. $\frac{1}{4}$ oz. 75c.....\$0.15

CAMPANULA

(**Canterbury Bells**). Popular and beautiful are Campanulas. Although the Canterbury Bells are biennials, they may also be treated as annuals; and they will flower the first year from seed, if sown early in the spring. The tall and stately growing kinds will be found of great value for the border, while the dwarf sorts make charming rock and edging plants. All the varieties like a rich, sandy soil with good drainage.

Pkt.

Carpatica. HP. Deep blue; for rockeries, beds and edgings. 6 in.....\$0.20

“ **alba.** Flowers white, 6 in..... .20

Medium, Single Blue (Canterbury Bells). HB. Blooms first year if sown early. 2 ft. $\frac{1}{4}$ oz. 60c..... .15

“ **Single White.** Pretty for contrasts. $\frac{1}{4}$ oz. 60c..... .15

“ **Single Rose.** $\frac{1}{4}$ oz. 60c..... .15

“ **Single Mixed.** $\frac{1}{4}$ oz. 60c..... .10

“ **Double Blue.** Rich, heavy, curious flowers through summer and fall..... .20

“ **Double White.** Waxy appearance. .20

“ **Double Rose.** .20

“ **Double Mixed.** $\frac{1}{4}$ oz. 75c..... .15

“ **calycanthema** (Cup-and-Saucer).

HB. Blue; symmetrical; often has 35 to 40 flowers open at same time on a single plant; for pots or borders. 2 ft. $\frac{1}{8}$ oz. 75c..... .15

“ **calycanthema alba.** A white-flowered variety. $\frac{1}{4}$ oz. \$1.00... .15

“ **calycanthema rosea.** Rose. A very fine sort. $\frac{1}{4}$ oz. \$1.00..... .15

“ **calycanthema, Mixed.** Shades of blue and white. $\frac{1}{4}$ oz. 75c..... .10

Persicifolia grandiflora, Blue. HP. Superb large flowers. For finest effect plant the blue and white varieties together. 2 to 4 ft. June and July. $\frac{1}{4}$ oz. \$1.50..... .25

“ **grandiflora alba.** A white-flowered variety of the above. $\frac{1}{4}$ oz. \$1.50..... .25

Pyramidalis, Blue (Chimney Bellflower) HHP. Spikes 3 to 4 feet tall, erect, pyramidal; large flowers; blooms in late summer. $\frac{1}{4}$ oz. 75c..... .15

“ **alba. White.** $\frac{1}{4}$ oz. 75c..... .15

Thorburn's Seeds Sown for a Century

CANARY-BIRD FLOWER

(*Tropaeolum canariense*). Fine, half-hardy annual; yellow flowers. 10 ft. ¼ oz. 50c. . . . \$0.10

CARNATIONS

(*Dianthus Caryophyllus*). Sown under glass in early spring, or later in the open ground, the plants will flower finely the second summer. For largest, richest flowers we recommend culture in pots of rich soil. With many they are also garden favorites, and, grown in this way, flowers of good quality may be enjoyed all summer if given plenty of water, good soil and a mulch about their roots. HP.

Pkt.

Pkt.

Giant Margaret. Extra large and perfect, flowering in a rich variety of colors. A splendid sort for cutting. 1 ft. . . . \$0.25

Early Dwarf Vienna, Double Mixed. Fine for cutting. 1 ft.20

CELOSIA

CRISTATA. An annual of easy culture, most effective in the border. Transplanting into a rich soil about the time the combs begin to form make the flower heads much larger.

Pkt.

Glasgow Prize (Cockscomb). Dark leaves and crimson combs. 1 ft. ¼ oz. \$1.00. \$0.35

Pride of Castle Gould (Ostrich Plume). Compact, feathery plumes. In shades of blood-reds, carmines, yellow and orange. .35

Thompsonii magnifica, Mixed. Superb assortment of the plumed varieties. ¼ oz. 75c.15

Pompon (Chinese Woolflower). Brilliant scarlet; quite distinct.25



Celosia, Pride of Castle Gould

CENTAUREA

The popular *Cornflower*, *Centaurea Cyanus*, is also known as Blue Bottle, Ragged Sailor, and sometimes as Bachelor's Button. Bright-flowered plants of the hardiest nature and simplest culture, among the most attractive and graceful of all the old-fashioned flowers.

PERENNIAL FLOWERING. A dry, sandy soil of moderate fertility seems to suit them best, keeping up a profusion of bloom all summer.

Pkt.

montana, Blue. Large-flowered. \$0.15

" **alba.** White.20

PERENNIAL SILVER-LEAVED. These are used for borders or edgings, and thrive anywhere.

Pkt.

candidissima. Silvery white leaves. . . . \$0.20

gymnocarpa. Silvery white, small leaves .10

HARDY ANNUALS. Flower finest in full sun and thin soil. Sow in open ground in spring. 1½ to 2 ft.

Pkt.

americana. Large, lilac-purple flowers. . \$0.15

" **alba.** Pure white.15

imperialis, White. Very large-flowered. ¼ oz. 60c.15

" **Purple.** Velvety purple. ¼ oz. 60c.15

" **Lilac.** ¼ oz. 60c.15

" **Rose.** Charming, glowing rose. ¼ oz. 60c.15

" **Mixed.** Hardy. ¼ oz. 50c.10

Cyanus (Cornflower) **Single Blue;** delightful old-fashioned flowers, blooming profusely all summer. Oz. 75c.15

" **Emperor William.** Blue, one of the finest. Oz. \$1.00.15

" **Double Blue.** Oz. \$1.50.15

" **Double Mixed.** Oz. \$1.00.10

CERASTIUM

(Snow-in-Summer). Pretty, silver-leaved, trailing, hardy perennials; fine edging plants, also for rockeries. 6 in.

Pkt.

tomentosum. White. \$0.20

CHRYSANTHEMUM

The plants can be brought into bloom early by sowing the seeds in frames or window-boxes, and afterwards transplanting to the garden. Average height, 1 to 1½ ft.

Pkt.

Double Yellow. Golden yellow. \$0.10

Double White.10

Double Mixed.10

tricolor. The tricolor sorts have beautiful rings and eyes.

" **Burridgeanum.** Crimson-maroon, with white edge.10

" **Yellow.**10

" **White.**10

" **Single Mixed.** All colors. ¼ oz. 50c.15

" **Morning Star.** Single. Delicate sulphur-colored blossoms; very pretty.15

" **Sultan.** Crimson, with gold ring.15

" **W. E. Gladstone.** Crimson and violet.15

Thorburn's Seeds Sown for a Century

CHRYSANTHEMUM—Continued

PERENNIAL VARIETIES. This section includes the large-flowered sorts, and the pretty, hardy Pompons that make bright masses of color in our gardens long after heavy frosts have cut down other flowers. For ordinary culture and room decoration, plants pinched back to form a number of branches, and holding from five to ten flowers, are satisfactory. Average height of show kinds, 3 ft.

Pkt.

Pompon, Mixed. The pretty, hardy dwarfs, with bright, clustered flowers which brighten up the garden late in autumn. $1\frac{1}{2}$ ft. \$0.25

japonicum fl.-pl. An extra-choice mixture, including many of the finest large-flowering double sorts.50

Leucanthemum (Shasta Daisy). HP. Extra-large; pure white petals and brilliant, golden yellow center. 2 to $2\frac{1}{2}$ ft.15

CLARKIA

One of the prettiest and showiest of hardy annuals that bloom freely. Sow outdoors in early spring and grow in partial shade. Average height, $1\frac{1}{2}$ ft.

Pkt.

Alba, Double. White. $\frac{1}{8}$ oz. \$1.00.....\$0.15

Rosea, Double. Rose. $\frac{1}{8}$ oz. \$1.00..... .15

Scarlet Queen, Double. Orange-scarlet. $\frac{1}{8}$ oz. \$1.00..... .15

COSMOS

One of the notable fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness heightened in effect by their foliage setting of feathery green. *To make sure of flowering early, Cosmos should be started indoors and transplanted into dry, sandy, or poor soil, in a sunny situation.*

EARLY FLOWERING.—

Pkt.

Crimson. $\frac{1}{4}$ oz. 50c.....\$0.15

Pink. $\frac{1}{4}$ oz. 50c..... .15

White. $\frac{1}{4}$ oz. 50c..... .15

Mixed. $\frac{1}{4}$ oz. 40c..... .10

Lady Lenox. Lovely, large, shell-pink flowers of great substance. $\frac{1}{4}$ oz. 40c., oz. \$1.50..... .10

Lady Lenox, White. Counterpart of above except as to color. $\frac{1}{4}$ oz. 50c..... .15

MAMMOTH PERFECTION. Large flowers on long stems, lasting until frost.

Crimson. $\frac{1}{4}$ oz. 35c.....\$0.10

White. $\frac{1}{4}$ oz. 35c..... .10

Pink. $\frac{1}{4}$ oz. 35c..... .10

Mixed. $\frac{1}{4}$ oz. 35c..... .10

Klondyke. Orange-colored; distinct foliage..... .25

NEW DOUBLE VARIETIES—Extra Choice

Pink Beauty. Crested. Soft pink.....\$0.25

White Queen. Crested. Pure white.... .25

These called double crested, have double centers and a row of petals around the base.

CLEOME (Spider Flower)

Curious, ornamental, hardy annual, on castor-oil plant style. Blooms freely in sandy soil.

Pkt.

pungens. Pink, 3 ft. $\frac{1}{4}$ oz. 50c.....\$0.10



Centaurea Imperialis

CINERARIA

One of the most useful and ornamental of greenhouse plants, with flowers of the richest and most brilliant colors and shades, and of the finest texture. The seed should be started in the greenhouse. For winter blooming sow in April and May in shallow boxes, in fine soil; drop the seed in shallow drills, cover and press the earth rather firmly with a piece of board or the bottom of a pot. Set the box where it will get the morning sun, water moderately and carefully. Average height, 2 ft.

Pkt.

Stellata Choice, Mixed. Twisted and fluted petals; large flowers of very rich and bright colors.....\$0.75

Hybrida Tall, Mixed. An extra choice strain saved from the largest blooms and finest colors; of splendid form and substance.... .75

CONVOLVULUS

TALL. Beautiful and easily grown annual; rapid in covering screens, trellises, etc.

Pkt.

major (Tall Morning-Glory). **Mixed.** Oz. 25c.....\$0.10

DWARF. Dwarf Morning Glories are elegant annuals for growing in clumps or beds; of easiest culture; bloom all season. 12 in.

Pkt.

Mixed. Oz. 25c.....\$0.10



Cosmos, Thorburn's Early Flowering

Thorburn's Seeds Sown for a Century

CYCLAMEN

These bulbous greenhouse plants are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living-room. If grown steadily without any check, they will flower in from ten to twelve months.

PERSICUM GIGANTEUM—	Pkt.
Mont Blanc. White.....	\$0.50
Atropurpureum. Dark red.....	.50
Brilliant Red. Wine-color.....	.50
Daybreak. Light pink.....	.50
Glory of Wandsbek. Dark salmon.....	.50
Rosy Morn. Rich rose, shading to purplish tinge.....	.50
Pure White......	.50
Mixed. Finest sorts. 100 seeds \$2.25....	.50

COBÆA

Tender climbing perennials of rapid growth, attains a height of 20 ft. Pkt.

scandens. Purple, bell-shaped. ¼ oz. 25c..	\$0.10
“ alba. White. ¼ oz. 50c.....	.15

COLEUS

GP. Splendid bedding plants with beautifully colored foliage; very useful for decorative purposes. 2 ft. Pkt.

Large-leaved, Finest Mixed	\$0.50
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COWSLIP

(*Primula officinalis hybrida.*) HP. Favorite spring flower; fragrant; mixed colors. 6 in. Pkt.

DAHLIA

This favorite, half-hardy perennial is most easily grown from seed sown early in the house or greenhouse. 3 to 6 ft. Pkt.

Double Mixed. All types.....	\$0.25
Single Mixed. All types.....	.25

DAISY

(*Bellis perennis*, etc.) HP. May be sown in February or March in shallow boxes of light, rich soil, covering the seeds to about three times their own thickness, and pressing soil firmly over them. Keep in a warm window, hotbed or greenhouse. When well out of the seed-leaf, transplant to new boxes, and set out in the open ground when danger of frost is past. They make delightful borders to beds of taller-growing annuals and can be used very effectively in beds of spring-blooming bulbs. 4 in.

MONSTROSA VARIETIES—	Pkt.
Double Red. ⅓ oz. \$1.25.....	\$0.25
“ Rose (Longfellow). ⅓ oz. \$1.25..	.25
“ White (Snowball). ⅓ oz. \$1.25..	.25
“ Mixed. Very fine. ⅓ oz. 75c....	.15

DIDISCUS (Blue Lace Flower)

caerulea. One of the oldest and best of our annuals. Blue flowers..... Pkt.

DIMORPHOTHECA

(African Orange Daisy). Easily grown, hardy annuals of great beauty. 12 to 5 inches in height, and bushy. Pkt.

aurantiaca. Orange.....	\$0.20
“ hybrida. New fine varieties, mixed.....	.20

DELPHINIUM

(**Larkspur**). In variety and beauty of its blue tints, which are as numerous as they are charming, no other plant can equal the Delphinium. The brilliant flowers are strongly effective in beds or masses, in borders, shrubberies, or in combination with white lilies. All varieties are easily cultivated and adaptable to many conditions, but in a soil deeply dug and well enriched with fine old manure, their blooms are the finest. Setting them 1½ to 2 feet each way is not too much for the taller sorts.

ANNUAL VARIETIES. These include the Rocket or Hyacinth-flowered, so called from their long, narrow flower-spikes. They bloom best in a rather cool, moist soil. Pkt.

Dwarf Rocket. Finest colors. 1 ft. Oz. 75c..	\$1.15
Tall Branching, Choice Mixed. 2 ft.	

Oz. 75c.....	.15
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Double, Mixed10
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Emperor, Mixed. ¼ oz. 40c.....	.15
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Newport Rose. A rose-colored and very beautiful, free-flowering sort. If sown outdoors in spring, it will bloom by the first of August, and make a lovely display. 2 ft. ¼ oz. 75c..... Pkt.

PERENNIAL VARIETIES. These are usually taller than the annuals, requiring more space between the plants. If sown in the fall or very early spring, nearly all will bloom the first season. Foliage clean and pretty; habit strong and neat; flower spikes long and dazzling.

Hunt's Perfection Hybrids. Show hybrids, saved from the best varieties. A very beautiful strain with large handsome flower-spikes. Very choice strain of re-selected flowers. Secured from one of the best-known collections in America; contains all the recent imported giant strains. In a word, *the finest mixture of Delphiniums ever offered.* 1-16 oz. \$1.50; pkt. 50c.

	Pkt.
Beladonna. Lovely pale blue; handsome plant; comes very true from seed. 4 ft. .	\$0.25
cardinale. Orange-scarlet; a very showy plant. 2 ft.....	.25
chinese azureum. Beautiful distinct shade of blue. 2 ft.....	.15
formosum coelestinum. Clear blue; handsome.....	.20
Zalil (sulphureum). Long spikes of yellow flowers. 2 ft.....	.35

DICTAMNUS

(Gas Plant). Ornamental hardy perennials; can remain for years undisturbed; the leaves, when rubbed, have a lemon odor. 3 ft. Pkt.

Fraxinella. Red.....	\$0.15
“ albus. White.....	.15

Thorburn's Seeds Sown for a Century



Dimorphotheca, Aurantiaca.

ESCHSCHOLTZIA

California Poppy. This much-esteemed hardy annual is very bright and rich in its pure tints of yellow, orange, etc. They are most effective when grown in beds of considerable size, over which the seed may be sown broadcast thinly, and lightly raked in. **Pkt.**

Thorburnii. Coppery orange; the effect of a plant in bloom is simply gorgeous; the flowers are larger than those of other Eschscholtzias, and are borne with equal profusion; finest of all. **\$0.15**

californica. Rich yellow. Oz. 50c. **.10**
" Carmine King. Carmine-rose, beautiful. Oz. \$1.00. **.15**

Mandarin. Red-gold flowers, orange within and scarlet without. **.15**

Golden West. A superb variety with very large flowers of deep yellow; bloom all summer. 2 ft. Oz. \$1.00. **.15**

Mixed. Many sorts. Oz. 60c. **.10**

FORGET-ME-NOT (*Myosotis*)

These dainty little flowers love cool, moist soils, and, like pansies, bloom most freely in fall and early spring. They make beautiful close borders, or edgings, and will bloom nicely in winter in a cool room or coldframe. Sow in spring in a warm, sunny border. Average height, 6 to 8 in. **Pkt.**

alpestris HB. Erect habit, blue flowers. $\frac{1}{4}$ oz. 75c. **\$0.15**

" alba. White flowers, very dainty in effect. $\frac{1}{4}$ oz. 75c. **.15**

" Indigo-Blue. Compact. Fine for pots or borders. **.25**

" Eliza Fonrobert. Grown extensively for cutting. Large, sky-blue florets with yellow eye, in large clusters. **.15**

" Victoria. Strong-growing; dwarf; flowers large, globular, sky-blue, abundant. $\frac{1}{4}$ oz. 75c. **.15**

FORGET-ME-NOT—Continued

palustris semperflorens. HP. Bright blue; **Pkt.** blooming from spring until autumn; foliage a good shade of green. $\frac{1}{8}$ oz. 60c. **\$0.15**

FOXGLOVE (*Digitalis*)

Hardy perennials, they are most satisfactory when treated as biennials. Sow the seed out-of-doors in spring and transplant the seedlings into their permanent places. They will bloom magnificently the following spring; give them a deep soil in partial shade. **Pkt.**

Purpurea, Mixed. $\frac{1}{4}$ oz. 60c. **\$0.10**
gloxinioides, Purple. $\frac{1}{4}$ oz. 50c. **.10**

" Rose. Bright, showy flowers borne profusely on fine spikes. $\frac{1}{4}$ oz. 50c. **.10**

" White. Handsome, gloxinia-like flowers; beautiful for cutting. $\frac{1}{4}$ oz. 50c. **.10**

" Mixed. All the choice colors. $\frac{1}{4}$ oz. 40c. **.10**

grandiflora lutea, Yellow. Large-flowered; long racemes of bell-shaped blossoms; dwarf. $\frac{1}{4}$ oz. 75c. **.15**

FOUR O'CLOCK

Favorite half-hardy annual of the easiest culture and very suitable for large beds and borders. Also known as Marvel of Peru. Handsome, free-flowering, sweet-scented; blossoms variegated, striped and of various colors. **Pkt.**

Hybrids, Mixed. 2 ft. Oz. 30c. **\$0.10**



Eschscholtzia, Thorburnii

Thorburn's Seeds Sown for a Century



Foxglove

GAILLARDIA

(Blanket Flower). Both the annual and perennial varieties of Gaillardia are very showy and free bloomers all summer long until frost; good in any situation and easily grown. The individual flowers are of large size, very durable, and most brilliant in color; fine for bouquets. 2 to 3 ft.

Pkt.

Amblyodon. HP. Fiery red. $\frac{1}{4}$ oz. 50c...\$0.10

grandiflora maxima. HP. Golden yellow. $2\frac{1}{2}$ ft.15

" **Choice Mixed Hybrids.** HP... .20

Picta sorts are most elegant annuals and deserve very generous plantings.

Pkt.

picta. Mixed. HA. Finest colors.....\$0.10

GERBERA

(Transvaal Daisy). Very pretty half-hardy perennials, fine for garden border and also winter forcing; grows about 2 feet in height and blooms all through the season.

Pkt.

Jamesonii. Deep scarlet.....\$0.50

" **hybrida.** Great diversity of colors, from pure white to dark red; fine for cutting.... .50

GEUM

Handsome hardy perennials; bloom freely all season; fine for bouquets. $1\frac{1}{2}$ ft.

Pkt.

coccineum. Scarlet.....\$0.15

GODETIA

Free-blooming, hardy annuals, with widely opened flowers of satiny texture, and of the most delicate and lovely colors. Sow seed in the open border in spring, or in a coldframe, and transplant seedlings to stand a foot apart in rather thin soil. Average height, 1 ft.

Pkt.

Duchess of Albany. Satiny white.....\$0.10

Lady Albemarle. Dark crimson..... .10

The Bride. White and crimson..... .10

Mixed, Tall Varieties. $\frac{1}{2}$ oz. 50c..... .10

GLOXINIA

Greenhouse plants with magnificent flowers of great brilliancy; very decorative. If the seed is started early in the season, the plants bloom the same summer; do best in light, rich soil; fine pot plants for the window garden. 1 to $1\frac{1}{2}$ ft.

Pkt.

hybrida grandiflora. Superb mixture.....\$0.75

GOMPHRENA (Globe Amaranth)

These well-known, hardy annuals are among the most popular of the Everlastings for dried winter bouquets; also well adapted for beds and edgings in the garden. 1 ft.

Pkt.

globosa rubra. Purplish red. $\frac{1}{4}$ oz. 30c...\$0.10

" **alba.** White. $\frac{1}{4}$ oz. 30c..... .10

" **carnea.** Flesh-pink. $\frac{1}{4}$ oz. 30c... .10

" **Mixed.** $\frac{1}{4}$ oz. 25c..... .10

GOURDS (Ornamental)

These rapid-growing, annual climbers have most luxuriant foliage and are excellent for covering verandas or trellis work, and for training over arbors, fences, etc.; bear most curious fruit.

Pkt.

Mixed. A fine assortment.....\$0.10



Gaillardia, grandiflora maxima



Hollyhocks

GYPSOPHILA (Baby's Breath)

Both the annual and perennial varieties are most easily grown; very graceful and delicate flowers and foliage; fine for rockwork or shrubbery and bouquets. 2 ft.

elegans grandiflora alba. HA. Large-flowering; white. Oz. 75c.....	Pkt. \$0.10
" carminea. HA. Rose-carmine; elegant. Oz. \$1.00.....	.15
" rosea. HA. Rose. Oz. \$1.00.....	.15
paniculata. HP. White; fine for bouquets. Oz. \$1.25.....	.10

HELENIUM autumnale

(Sneezewort). Late-flowering, hardy perennials; broad heads of elegant golden yellow flowers; fine for cutting. 5 to 6 ft. HP....

HELICHRYSUM

(Eternal Flowers). A most popular, hardy annual; the flowers are large and the color bright; highly prized for winter bouquets. 1 to 2 ft.

monstrosum, Double Mixed	Pkt. \$0.10
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HELIOTROPE

These favorite greenhouse and bedding plants are highly valued for their scented flowers; succeed best in light but rich soil; bloom first season from seed. 1½ ft.

Lemoine's Giant. ¼ oz. \$1.00.....	Pkt. \$0.25
Queen Marguerite. Large; dark blue. ¼ oz. \$1.00.....	.25
regale. Early; flowers freely. ¼ oz. \$1.00..	.25

HIBISCUS (Mallow)

All the species bear very showy flowers and are easily grown.

africanus. HA. Free-flowering, fine annual; flowers yellow and purple. 2 ft.....	Pkt. \$0.15
moscheutos roseus. HP. Large rose-colored flowers. 4 ft.....	.15

HOLLYHOCKS (Althaea Rosea)

Although Hollyhocks are very permanent and hardy for the first winter, it is advisable to sow seed every year of these splendid, hardy perennials, as the flowers on young, vigorous plants are much finer than on old ones. Sowings should be made in April or May, and not later than June, to flower the next year. In final transplanting give each seedling a foot or more space each way for development. They succeed best in an ordinary deep, rich soil. They make a glorious show in the garden with their splendid spires of flowers and are fine for the back of the border and for hiding unsightly fences. Water well in dry weather. Average height, 6 ft.

Double, Bright Pink. ¼ oz. \$1.00.....	Pkt. \$0.20
" Bright Rose. ¼ oz. \$1.00.....	.20
" Bright Scarlet. ¼ oz. \$1.00.....	.20
" Crimson. ¼ oz. \$1.00.....	.20
" Maroon. ¼ oz. \$1.00.....	.20
" Salmon. ¼ oz. \$1.00.....	.20
" Snow-White. ¼ oz. \$1.00.....	.20
" Mixed. ¼ oz. 75c.....	.15
Single, Mixed. ¼ oz. 75c.....	.15
Perpetual-flowering. Annual. Sown early in spring and planted out first week in May, it will bloom from middle of July to late in autumn. Flowers double with graceful loose petals. Mixed colors.....	.15

IPOMOEA

(Moonflower; Morning-Glory; Cypress Vine).

The large, thorny seeds of some varieties should be soaked in hot water before planting. For early flowers sow in hotbeds, or pots and boxes under glass, and transplant to rich, deep soil in summer quarters as soon as danger of frost is over, when sowings may also be made in the open ground. Nothing finer for porches, trellises, etc.

IMPERIAL JAPANESE MORNING-GLORY.

Flowers vary from pure white to carmine, through blues and purples of every shade. 30 to 40 ft.

Fringed Single Mixed. Fringed.....	Pkt. \$0.10
Double-flowered, Mixed. Superb mixture of double sorts.....	.15
mexicana grandiflora hybrida alba. Flowers large and num rous. 15 ft.....	.20
rubro-caerulea, Heavenly Blue. Large, clustered flowers of beautiful sky-blue open early in the morning. 10 ft.....	.20

Thorburn's Seeds Sown for a Century



Lobelia Compacta—Crystal Palace

IPOMOEA—Continued

QUAMOCLIT HYBRIDA — CARDINAL Pkt.
CLIMBER. Rapid grower, with branching habit; flowers all summer in fiery cardinal-red clusters. 25 ft. \$0.25

KOCHIA (Summer Cypress)
trichophylla. A rapid-growing, hardy annual; foliage green, turning to fiery red in autumn. very ornamental. 2 to 3 ft. ¼ oz. 35c. 10

KUDZU VINE

(*Pueraria Thunbergiana*). Purplish violet, fragrant, wisteria-like flowers. Perennial climber. ¼ oz. 40c. 10

LATHYRUS (Perennial Sweet Pea)

latifolius. HP. These have not the fragrance of annual sweet peas, but are hardy and will live for years; they make a beautiful screen for rocks, stumps, fences, etc. Pkt.

Pink Beauty. Blossoms white, veined, edged and shaded pink. ¼ oz. 50c. \$0.10
White. Valuable for cut-flowers. ¼ oz. 50c. 10

LARKSPUR. See **Delphinium.**

LEONTOPODIUM

alpinum (Edelweiss). Hardy perennial from the Alps, with white leaves; used in rockwork. 6 in. 25

LINARIA (Toad Flax)

Cymbalaria (Kenilworth Ivy). HP. Charming, hardy perennial, trailing plants for baskets, rockwork, etc. 15

LOBELIA

The *Erinus* varieties bloom very quickly from seed and flower all through the season. For beds, edgings, baskets and pots there is nothing prettier. Sow outdoors in early spring where the plants are to grow, and thin moderately; or transplant several inches apart in rich, open soil.

ERINUS. HHA. Pkt.
gracilis. Blue; trailing; beautiful for baskets. ¼ oz. \$1.00. \$0.15
speciosa. A favorite blue-flowered edging plant. 6 in. 15

LOBELIA—Continued

Royal Purple. Deep blue, with a white eye \$0.35
Crystal Palace. Dark blue. 25
White Lady. Splendid, large-flowered white. 15
cardinalis (Cardinal Flower). HA. Erect crimson-scarlet flowers, this handsome Lobelia is invaluable for the border or grouping among evergreens. 2½ ft. 25

LUPINUS (Lupine)

ANNUAL VARIETIES. Extremely varied in color, of the easiest culture, and bloom all summer. Splendid for beds, borders, and backgrounds. 2 to 3 ft. Pkt.

Hartwegii. Blue. Oz. 75c. \$0.15
" **albus.** White. Oz. 75c. 15
" **roseus.** Rose. Oz. 75c. 15
nanus. Dwarf; blue. 15
Mixed. Oz. 60c. 10

PERENNIAL VARIETIES. The hardy perennial varieties of the Lupines are extremely handsome and stately. Grow very compactly about 3 to 5 feet in height, and bloom continuously and profusely during the summer. Pkt.

arboreus albus (Snow Queen). Pure white \$0.25
polyphyllus. Blue. 15
" **albus.** White. 15
" **roseus.** Rose; magnificent. 15
" **Mixed.** Oz. \$1.00. 10



Mignonette—Machet

MARIGOLD

(*Tagetes*). These, like the calendulas, are valuable because they light the garden with such a grand glitter of yellow far into the frosts of autumn. The dwarf varieties make a fine border for taller sorts, and both are effective when planted in groups or in garden borders. Hardy annuals. Average height, 1 to 2 ft.

AFRICAN VARIETIES — Pkt.
Lemon Queen. Very rich lemon-yellow ¼ oz. \$1.00. \$0.25
Orange King. Rich. ¼ oz. 50c. 25
Mixed Double. ¼ oz. 40c., oz. \$1.25. 10

Thorburn's Seeds Sown for a Century



Thorburn's Superb Pansies (see page 41)

MARIGOLD—Continued

FRENCH VARIETIES—

	Pkt.
Dwarf Striped. Flowers handsomely marked. $\frac{1}{4}$ oz. 35c.....	\$0.10
Legion of Honor (Little Brownie). Single; golden yellow marked velvety red. $\frac{1}{4}$ oz. 40c.....	.10

MATHIOLA bicornis. A charming little annual with a most delicate odor..... .10

MIGNONETTE

(*Reseda odorata*). Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1st, and again regularly at intervals of about three weeks till August, a row or two at a time for succession. 1 ft. Pkt.

odorata grandiflora. Oz. 50c.....	\$0.10
Allen's Defiance. Spikes of great length; very fragrant and fine for cutting. $1\frac{1}{2}$ ft. $\frac{1}{8}$ oz. 75c.....	.20
Goliath. Red; enormous spikes; very sweet-scented. $\frac{1}{4}$ oz. \$1.00.....	.15
Machet, Dwarf. Deep Red. $\frac{1}{4}$ oz. 50c.....	.15
Golden. $\frac{1}{4}$ oz. 50c.....	.15

Our flower seeds are raised by the finest American and European growers.

NICOTIANA

Species of tobacco. Showy and free-blooming half-hardy annuals; great garden favorites; in flower all summer; tubular-shaped flowers. 3 ft. Pkt.
affinis. White; very fragrant. $\frac{1}{4}$ oz. 50c..\$0.10
Sanderae hybrida. Beautiful shades, mixed $\frac{1}{4}$ oz. 50c..... .15

NASTURTIUMS

DWARF or TOM THUMB (*Tropaeolum nanum*). Very striking and brilliant flowers; splendid for beds and borders. Pkt.

Cloth of Gold. Scarlet; golden leaves. Oz. 50c.....	\$0.10
Crimson. Oz. 50c.....	.10
Empress of India. Dark crimson. Oz. 50c.....	.10
White, or Pearl. Oz. 50c.....	.10
Yellow. Oz. 50c.....	.10
Mixed. Oz. 20c., $\frac{1}{4}$ lb. 75c., lb. \$2.00....	.10
Queen of Tom Thumbs. Mixed, variegated-leaved. Oz. 75c.....	.15

TALL or CLIMBING (*Tropaeolum majus*)—

Dark Crimson. Oz. 40c.....	.10
Pearl. Whitish. Oz. 40c.....	.10
Scarlet. Oz. 40c.....	.10
Yellow. Oz. 40c.....	.10
Fine Mixed. Oz. 20c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.....	.10
Tall Queen, Mixed. (Variegated-leaved). Oz. 75c.....	.15
Lobb's Finest Mixture. Oz. 50c.....	.10

Thorburn's Seeds Sown for a Century

PANSY (*Viola tricolor*; Heartsease)

Spring sowings should be made early so as to secure good flowers during the early rains. Seed sown in a cool, moist place in June and July, and well tended, will give good flowering plants for Spring. If they come into bloom in the heat of the summer, the flowers may be small at first, but, as the weather becomes cooler they will increase in size and beauty, and make a glorious show in the garden. Early fall sowings give the finest flowers in spring, and a bed of Pansies is one of the most beautiful sights a garden can show.

	Pkt.		Pkt.
Thorburn's Superb. The richest and most choicest varied mixture possible. It produces only the finest colors, largest flowers and most beautiful forms. $\frac{1}{4}$ oz. \$2.75.....	\$0.35	King of the Blacks. Almost coal-black. $\frac{1}{4}$ oz. \$1.50.....	\$0.20
Masterpiece. Curled wavy petals; splendid colors; distinct. $\frac{1}{4}$ oz. \$2.50.....	.30	Cardinal. Brilliant red; very fine. $\frac{1}{4}$ oz. \$1.75.....	.25
Madam Perret. A splendid giant-flowered strain comprising all shades of red from light rose to dark purple, some of them finely striped. $\frac{1}{4}$ oz. \$1.75.....	.25	Golden Queen. Pure yellow. $\frac{1}{4}$ oz. \$1.75..	.25
Azure-Blue. Very fine color. $\frac{1}{4}$ oz. \$1.50..	.20	Snow Queen. Pure satiny white. $\frac{1}{4}$ oz. \$1.50	.20
		TRIMARDEAU GIANT. This strain has remarkably large flowers, carried well above their leaves, and marked with large blotches.	
		Extra Choice Mixed. $\frac{1}{4}$ oz. \$1.50.....	.20

PETUNIAS

Very effective either as pot plants or for bedding.

	Pkt.
Double Fringed, Mixed. Double flowers of exquisite beauty and great size. One of the finest strains in existence.....	\$0.75
Bar Harbor Beauty. The most effective of all single Petunias. Beautiful rose. Splendid for bedding. $\frac{1}{8}$ oz. 75c.....	.20
Giant Single Fringed. Colors vary from pure white, through all shades of red to dark purple-violet. Showy and effective in beds or borders.....	.75
Purple Queen. Intense violet; erect habit; pretty and effective for bedding.....	.35
Rosy Morn. Soft carmine-pink. $\frac{1}{8}$ oz. 75c..	.20
Snowstorm. Pure white, single fringed. Very free-flowering. Exceptionally choice strain.	.75
Hybrida, Single Mixed. Oz. \$2.00.....	.10

PHLOX DRUMMONDII HA. GRANDIFLORA

Very desirable for bedding and cutting. Height $2\frac{1}{2}$ feet. Large beds of Phlox make a wonderful display of brilliant colors. May be used to advantage as a greenhouse plant.

	Pkt.
White. Pure white. $\frac{1}{4}$ oz. 75c.....	\$0.20
Purple. Purple, white eye. $\frac{1}{4}$ oz. 75c.....	.20
Chamois-Rose. Soft shade. $\frac{1}{4}$ oz. 75c....	.20
Isabellina. Yellow. $\frac{1}{4}$ oz. 75c.....	.20
Crimson. $\frac{1}{4}$ oz. 75c.....	.20
Rosea. Rose. $\frac{1}{4}$ oz. 75c.....	.20
Mixed. $\frac{1}{4}$ oz. 60c., oz. \$2.00.....	.15

DWARF

Shell-Pink. $\frac{1}{8}$ oz. \$1.00.....	\$0.25
Flame-Red. $\frac{1}{8}$ oz. \$1.00.....	.25
Pure White. $\frac{1}{8}$ oz. \$1.00.....	.25
Fancy Mixed. $\frac{1}{8}$ oz. 85c.....	.15

PENTSTEMON

Beautiful herbaceous perennials. Seed sown early will bloom the first year. Very hardy and free-flowering; fine for beds and borders or rock gardens; excellent cut flowers.

	Pkt.
Large-flowered Varieties, Mixed. 3 ft....	\$0.35



Types of Pinks (*Dianthus*)

PINKS (*Dianthus*)

Hardy biennials that bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted and should stand 8 to 12 inches apart; dwarf ones about 6 inches. Average height, 1 ft.

CHINENSIS (China or Indian Pinks). The flowers of all are double and showy.

Mixed China Pinks. $\frac{1}{4}$ oz. 30c., oz. \$1.00. \$0.10

HEDEWIGII—

Single, Eastern Queen. Rose-colored flowers.....	.15
Mixed, Giant-flowered......	.15

Thorburn's Seeds Sown for a Century

PINKS—Continued

	Pkt
HEDEWIGII—	
Double, Mixed. A splendid assortment.	
1/4 oz. 50c.....	\$0.10
diadematus fl. - pl. (Diadem Pink). Double. 1/4 oz. 75c....	.15

LACINIATUS—

Single, Mixed. Fringed flowers of all colors. 1/4 oz. 35c.....	.15
Double, Mixed. 1/4 oz. 50c.....	.15

PLUMARIUS (Sweet May Pinks). These are fine, fragrant, hardy perennials of the old-time gardens, most beautiful for massing and cutting.

Double Mixed. Extra fine.....	.25
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PLATYCODON

(Chinese Bellflower). Handsome, hardy perennials that do best in light, dry situations; bushy growth; bear large, bell-shaped flowers in great profusion.

	Pkt.
grandiflorum. Deep blue. 2 ft.	\$0.20
album. White. 2 ft. ....	.20

POPPY (Papaver)

For beds and borders, with a background of green, there is nothing finer. Some sorts are admirable for naturalizing in open wooded grounds; others like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow the seed where the plants are to bloom. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart.

PERENNIAL VARIETIES. Tall, large-flowered, and showy. Average height, 2 to 4 ft. **Pkt.**

Oriental, Mixed Hybrids. Finest shades. \$0.15

nudicaule (Iceland Poppy). They are most beautiful when grown in masses from seed sown every year; if sown very early they bloom same season.



Phlox Drummondii Grandiflora

PAPAVER—Continued

	Pkt.
nudicaule aurantiacum coccineum. Or-ange-red.....	\$0.20
album. Pure white.....	.20
Mixed. 1/4 oz. 75c.....	.15

ANNUAL VARIETIES. This section includes fine double and single flowers of greatly varying sizes, self-colored, and daintily edged. **Pkt.**

Shirley Best Mixed. Indescribably bright, dainty and gauzy; a favorite for cutting. 1/4 oz. 40c., oz. \$1.00.....

Double American Flag. White, bordered with scarlet; exceedingly brilliant flowers. 1/4 oz. 25c.....

Carnation - flowered, Mixed. Very double; fringed. 1/4 oz. 25c.

Paeony-flowered, Mixed. Large, handsome flowers of many colors. 1/4 oz. 25c., 1/2 oz. 50c....

PORTULACA

Sun Plant

Double Mixed. 1/4 oz. \$1.00 HA.....	\$0.15
Single Mixed. Oz. 75c. HA.....	.10

PYRETHRUM HHP

The perennial Pyrethrums are wonderfully free-flowering, and their long stems make them desirable as cut flowers. They flower with the first peonies and continue till frost. Be sure to include them in your list of hardy plants.

Aureum (Golden Feather). Yellow foliage. **Pkt.** HA.....

Selaginoides. Bright golden yellow. HA... .15

Hybridum, Double Mixed. Very choice. HP.....

Hybridum, Single Mixed. Excellent for cutting. HP.....

PRIMULA

CHINESE PRIMROSE. GP. Free-flowering and especially valuable for cut flowers and for house and window culture. A cool place suits it best. Sow the seeds in drills in a light, rich soil, in shallow boxes, at any time from the middle of March to the end of May. Cover the seed about 1/8 inch and press the soil on them with a board or the bottom of a pot. Water moderately; avoid forcing the seed. The plants must be well ventilated, well watered, and slightly shaded. Average height, 9 in. **Pkt.**

fimbriata, Extra-fine Mixed. Fringed... \$0.75

OBCONICA. GP. For open border; also do well in the house window-garden. Continuous and free bloomers during the winter months. **Pkt.**

grandiflora alba. White.....	\$0.50
gigantea Kermesina. Red..	.50
gigantea, Rose.....	.50
gigantea, Mixed. Giant flowering.....	.35

PRIMULA MALACOIDES—

Handsome and dainty, very effective for conservatory during the winter.

Alba. Snow-white; handsome.....	\$0.60
Lilac. Light lilac.....	.60
Rosea. Light rose and carmine.....	.60
Superba. Deep rosy pink.....	.60

Thorburn's Seeds Sown for a Century



Shirley Poppies

PRIMULA—Continued

HALF-HARDY PRIMULAS—

- | | |
|--|-------------|
| Kewensis. HHP. 10 to 18 inches. Strong grower. Yellow flowers; very fragrant. | Pkt. \$0.10 |
| Moerheimi Hybrids. (New). 1½ ft. Most striking plants, with a marvelous range of color from yellow to violet. | .50 |

PRIMROSE, Evening (Oenothera). The bright, poppy-like flowers open early every evening and last well into the next day; of the easiest culture in sunny situations.

- | | |
|---|-------------|
| Oenothera Drummondii. HA. Light yellow. 1½ ft. | Pkt. \$0.15 |
| " Lamarekiana. HB. Large yellow flowers. 3 ft. | .15 |

POLYANTHUS (Primrose)

- | | |
|--|-------------|
| Gold-laced, Extra Choice. Seed taken from a choice selection of show flowers. Each petal handsomely laced with gold. HHP. | Pkt. \$0.25 |
| Giant Munstead Strain. White and yellow—very fine combination. | .35 |
| Large-flowering Bedding Hybrids, Mixed. Extra-choice strain of mixed colors, recommended especially for bedding. | .35 |

- | | |
|--|-----|
| PRIMROSE, Dean's Colored Hybrids, Choice Mixed. HP. 4 in. A splendid strain of Primroses saved from the finest flowers of the brightest shades. | .50 |
| Yellow (Primula vulgaris). The common English Primrose. | .25 |

RHODANTHE

Beautiful, delicate-looking Everlasting flowers, much prized for winter bouquets. Glaucous gray foliage. 1½ ft. HHA.

- | | |
|--|-------------|
| maculata. Rose, with dark center. | Pkt. \$0.10 |
| " alba. Pure white. | .10 |
| Manglesii. Rose; very fine. | .10 |

RICINUS (Castor Oil plant)

Picturesquely showy and imposing, the Ricinus gives to the garden magnificent semi-tropical effects. Tall varieties grow from 8 to 10 feet high, with leaves several feet across and beautifully lobed. Half-hardy annuals.

- | | |
|--|-------------|
| borboniensis arboreus. Green foliage. | Pkt. \$0.10 |
| cambodgensis. Glistening maroon; stems black. | .10 |
| sanguineus. Red stems and seeds. 6 ft. | .10 |
| Mixed. Fine sorts. Oz. 40c. | .10 |

ROCKET (Sweet Rocket; Hesperis)

Spring-flowering, hardy herbaceous perennials; fragrant; easily grown in light soil. HHA.

- | | |
|--|-------------|
| matronalis. Purple. 3 ft. | Pkt. \$0.10 |
| " alba. White; fine cut flower. 3 ft. | .10 |
| " Mixed. Oz. 75c. | .10 |

SALPIGLOSSIS (Painted Tongue)

These showy, half-hardy annuals bear beautiful, funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They require a light, rich, sandy loam, and will respond to liberal treatment.

- | | |
|---|-------------|
| Grandiflora, Extra-Choice Mixed. | Pkt. \$0.15 |
| Dwarf Mixed. ¼ oz. 75c. | .10 |



Salpiglossis, grandiflora

Thorburn's Seeds Sown for a Century

SALVIA (Flowering Sage)

The *Salvia splendens* is a standard bedding plant that keeps the garden bright with color until late in autumn. The plants grow and bloom profusely in any light, rich soil. Both the tender and hardy perennial sorts bloom the first year, and all are treated as annuals. **Pkt.**

Splendens, Scarlet. HA. A rich-flowered bedder; long spikes. 3 ft. $\frac{1}{4}$ oz. 75c. \$0.15

Bonfire, Clara Bedman. Freest-blooming of all, seemingly on fire all the time, with dense, flaming scarlet spikes. $2\frac{1}{2}$ ft. $\frac{1}{4}$ oz. \$1.00. 15

Zurich. HA. Grows only 12 to 15 inches high, with many fine, erect spikes to each plant, borne well above its handsome foliage. Brilliant scarlet. $\frac{1}{4}$ oz. \$1.75. 25

argentea. HP. Silver-leaved; flowers white; blooms in spring. 3 ft. 15

farinacea. HA. Light blue flowers; good for cutting; forms a neat bush. 3 ft. 15

patens. A handsome, tender, perennial, with erect spikes of rich, blue flowers. 35



Snapdragon

SCHIZANTHUS

Very beautiful and showy, hardy annuals, fine for beds and borders in the summer garden. Grown in pots in early spring in the greenhouse, they become elegant foliage plants, with masses of flowers. $\frac{1}{2}$ to 2 ft. **Pkt.**

Wisetonensis. Light shades; profuse blooming; fine pot-plant. \$0.30

Mixed. 20

SCABIOSA

(Mourning Bride; Scabious). HA. The flowers are borne on long stems and last a long time when cut. Fine for beds or borders. Sow seed outdoors in spring when danger from frost is past. **Pkt.**

Black-Purple. $\frac{1}{4}$ oz. 50c. \$0.10

Flesh-Color. $\frac{1}{4}$ oz. 50c. 10

Tall Lavender. $\frac{1}{4}$ oz. 50c. 10

Scarlet. $\frac{1}{4}$ oz. 50c. 10

Snowball. Double; white. $\frac{1}{4}$ oz. 50c. 10

Mixed. Large bright colors. $\frac{1}{4}$ oz. 30c. 10

caucasica (Blue Bonnet). HP. The flowers are large and semi-double, of pale lavender color, growing on long stems. 15

STATICE

(Sea Lavender). Pretty plants for the summer garden in beds or borders; much valued when dried as Everlastings for winter bouquets. 1 to 2 ft. **Pkt.**

sinuata. HA. Blue; very fine. \$0.15

candidissima. HA. White. 15

SNAPDRAGON (Antirrhinum)

The Snapdragon is one of the finest perennials, flowering the first year from seed. Its bright-colored, curiously formed flowers always excite interest. The rich spikes are beautiful for cutting, and keep fresh a long time. Flower profusely through summer until frost. For early flowers, sow under glass in February or March, and transplant into beds of warm, dry soil moderately enriched. The Snapdragon is treated as an annual and the seed sown every year.

TALL, LARGE-FLOWERING VARIETIES

Hunt's New Geneva Pink. The finest Antirrhinum in commerce. Produces long handsome spikes of large, glistening rose-pink blooms, profusely over a long season. Unexcelled for greenhouse or outdoors. **Pkt.**
3 pkts. \$5.00. \$2.00

Carmine. Pleasing shade of pink. $\frac{1}{4}$ oz. **Pkt.**
60c. \$0.15

Coral-Red. Bright red. $\frac{1}{4}$ oz. 60c. 15

Daybreak. White and pink. $\frac{1}{4}$ oz. 60c. 15

Fairy Queen. Orange, white throat. $\frac{1}{4}$ oz. 60c. 15

Giant Yellow. The finest yellow. $\frac{1}{4}$ oz. 60c. 15

Lilacinum. Very attractive light blue. $\frac{1}{4}$ oz. 60c. 15

Phelp's White. The best white variety. 35

Rose Dore. Salmon, shaded gold—a unique color. $\frac{1}{4}$ oz. \$1.25. 20

Salmon Queen. Golden rose, with white throat. $\frac{1}{4}$ oz. \$1.25. 20

Tall Mixed. All the best varieties. $\frac{1}{4}$ oz. 50c. 10

TOM THUMB VARIETIES

A class of very dwarf varieties, large in flower, compact in habit, and especially fine for bedding.

Black Prince. Dark crimson flower and dark foliage. **Pkt.** \$0.20

Daphne. Pale coral-pink, with white throat—pretty combination. 20

Snowflake. Splendid pure white. 20

Thorburn's Seeds Sown for a Century

SNAPDRAGON—Continued

INTERMEDIATE or SEMI-DWARF VARIETIES

This class of Snapdragons attains a height of 1½ feet, has a great range of color, and is very suitable for bedding.

	Pkt.
Apple Blossom. White throat, pink lip and standard; dainty flower.....	\$0.20
Black Prince. Dark crimson flower.....	.20

	Pkt.
Bonfire. A lovely orange and flame color....	\$0.20
Orange King. Glowing orange. ¼ oz. 60c....	.20
Pink Queen. Creamy pink. ¼ oz. 60c....	.20
Queen of the North. White.....	.15
Mixed. All the best sorts in proper proportion. ¼ oz. 50c.....	.10

SWEET PEAS

A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug 1½ feet deep and filled with very best loam mixed with bone meal or well-rotted manure. For each double row make the drills about 12 inches deep, and 9 to 10 inches apart. Sow plentifully, covering about 2 inches deep, and, by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared. One ounce will sow a row of twenty-five feet. A packet will sow a row of four feet.

SUMMER-FLOWERING SPENCER VARIETIES

Any variety not listed can be supplied

	Pkt.	Oz.	¼ lb.
Barbara. Superb salmon-colored variety; excellent either for exhibition or table decoration.....	\$0.15	\$0.40	\$1.00
Blue Monarch. A splendid dark blue variety.....	.15	.50	1.50
Blue Stone. Pleasing shade of aniline-blue, flushed bluish violet.....	.10	.40	1.25
Burpee's Giant White. Gigantic in size, exquisite in form, and pure in color..	.15	.50	1.50
Charity. Produces large, well-waved, rich brilliant crimson flowers on very long stems.....	.15	.40	1.25
Clara Curtis. Beautifully frilled primrose variety.....	.15	.75	2.50
Dobbie's Cream. Large, ruffled, very deep rich cream flowers.....	.15	.60	2.00
Doris. A very strong grower and produces an abundance of rich cherry-pink flowers.....	.15	.50	1.50
Elegans. Immense flowers, blush-lilac, faintly suffused with a pinkish lilac....	.10	.35	1.00
Floradale Fairy, Improved. Deeply colored cream. Exquisitely waved, giant size, on long stems.....	.15	.40	1.25
Floradale Purple. Unexcelled by any other purple variety.....	.15	.60	2.00
Fordhook Orange. Perhaps the finest orange Sweet Pea yet introduced.....	.15	.60	2.00
Hawmark Pink. Beautiful shade of rose-pink, deeply flushed and shaded with salmon.....	.15	.40	1.00
Hawmark Salmon-Pink. Rich deep pink, attractively tinted with salmon and orange.....	.15	.50	1.50
Hercules. A magnificent deep rose-pink variety; flowers of enormous size....	.15	.40	1.00
Hope. Soft Rose.....	.15	.40	1.25
Improved Margaret Atlee. A great favorite on account of its size, good form, and magnificent coloring.....	.15	.40	1.25
King White. Strong and very free-blooming; of truly gigantic proportions.....	.15	.40	1.25
Mary Pickford. Very large flower of brilliant form, dainty cream-pink, with slight suffusion of salmon.....	6 pkts. \$1.00.		
New Wedgwood. A bright delphinium-blue in color; very large, and of heavy substance.....	.15	.50	1.50
Orchid. This is a rich shade of lavender with a pink suffusion.....	.10	.40	1.25
R. F. Felton. Rich pinkish lavender.....	.10	.40	1.25
Royal Scot. Deep cerise, closely approaching a deep scarlet. The plant is strong-growing and produces freely.....	.15	.40	1.25
Sunset. Rich rose flowers with golden blotch.....	.15	.40	1.25
The President. Brilliant orange-scarlet color; extra-strong grower.....	.15	.40	1.25
Vermilion Brilliant. Large rich vermilion flowers.....	.10	.30	1.00
Warrior. Rich reddish maroon, flushed with bronze.....	.10	.40	1.25
SPENCER VARIETIES, FINEST MIXED. An assortment of all the best varieties.....	lb. \$1.75.	.10	.20 .50

SPECIAL INTRODUCTORY OFFER

THORBURN'S SPENCER MIXTURE SWEET PEAS

This contains the cream of all the best Spencers; upwards of 100 varieties.

For those who desire a great variety of color, this offer cannot fail to please.

Quarter Pound (sufficient to plant a row of 100 feet)—Mailed free to any address in the **United States for fifty cents (50c.).**

Thorburn's Seeds Sown for a Century

SWEET PEAS FOR GREENHOUSE CULTURE AND EARLY OUTDOOR FLOWERING

	Pkt.	Oz.
Bluebird. Charming shade of true blue.....	\$0.15	\$0.50
Burpee's Orange. True glowing orange self.....	.15	1.00
Concord Countess. The best pink forcer.....	.25	1.50
Concord Daybreak. Cream-pink, with faint rose tinge.....	.25	1.50
Enchantress. Bright rose-pink, shading deeper toward the edges of the wings.....	.15	.50
Lavender King. Rich true deep lavender throughout.....	.15	.50
Mrs. Kerr. Salmon-pink. Flowers are of good substance, very large, well frilled, and are usually borne in fours on long strong stems.....	.15	.80
Rose Queen. A most pleasing shade of rich pink.....	.15	.60
Snowstorm Improved. Finest of the white winter-flowering varieties.....	.15	.60
Zvolanek's Rose. One of the best in the deep pink class.....	.15	.60

STOCKS

For fine early flowers sow under glass in March or April, transplanting the seedlings when an inch high into other pots or boxes, or into fine soil spread over some discarded hotbed. In May transfer to garden beds of deep, rich soil, setting the plants a foot apart. Later sowings may be made in the open ground in May. HHA.

TEN WEEKS.

	Pkt.
Dwarf Pyramidal, Finest Mixture.	\$0.25
Dwarf Large-flowering. Long, splendid spikes; large, double flowers—	
Crimson......	.15
Dark Blue. Beautiful.....	.15
Light Blue. Exquisite.....	.15
Rose. Very dainty, light color.....	.15
Snow-White......	.15
Mixed......	.15
Dresden Perpetual or Branching—	
Princess Alice. Large spikes; popular white variety.....	.15
Empress Augusta Victoria. Delicate silvery lilac.....	.15
Brilliant. Blood-red.....	.15
May Queen. Pale blue.....	.15
Mixed......	.15

AUTUMN AND LATE-FLOWERING

Empress Elizabeth. Bright rose.....	.25
White Lady......	.25
Winter "Nice" Varieties- Large-flowering—	
Abundance. Carmine-rose.....	.25
Beauty of Nice. Flesh-color.....	.15
Cote d'Azure. Violet-blue.....	.15
Monte Carlo. Pure yellow.....	.15
Crimson......	.15
Pure White......	.15
Queen Alexandra. Rosy lilac.....	.15
Mixed......	.15

SWEET WILLIAM

(*Dianthus barbatus*). The splendid old-fashioned hardy perennial, producing large heads of beautifully colored flowers; easily grown, flowering the second year. 1½ ft.

	Pkt.
Single Auricula-flowered Mixed. Various shades, with white eye and white bordered.....	\$0.15
" Pink Beauty (roseus). Rosy chamois. ¼ oz. \$1.00.....	.20
" Scarlet Beauty. Brilliant scarlet. ¼ oz. \$1.00.....	.20
" White. ¼ oz. \$1.00.....	.20
Single Mixed. ¼ oz. 50c.....	.10

SUNFLOWER (Heliant hus)

Their long stems and wonderful lasting qualities make them valuable as cut flowers, and the seed is used for feeding birds. Plant the seed in the open garden in spring, and thin the plants to stand 3 to 4 feet apart. HA.

	Pkt.
ecumerifolius Stella. Handsome; large-flowered; primrose-yellow.....	\$0.10
" Single, Fine Mixed. ¼ oz. 35c.....	.10
Double California. Dark yellow. 5 ft.....	.10
Sutton's Red. Producing numerous well-shaped, dark-centered flowers, banded with bright chestnut-red, merging to yellow....	.20
Henry Wilde. Single. Yellow, dark center...	.15
Orion. Quilled petals. 3 ft.....	.10

VERBENA

HHA. For early spring bloom, sow under glass in February; for later flowers sow in March or April. Soak the seed a few hours in tepid water and sow in boxes filled with light, rich soil; cover ¼ inch deep, press down firmly and water sparingly. When the seedlings are about an inch high, transplant into other boxes, and set out 10 to 15 inches apart each way in May in a sunny situation.

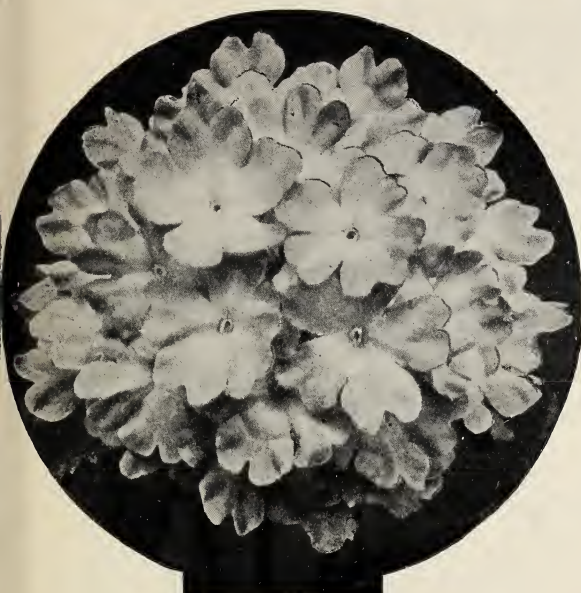
MAMMOTH VARIETIES

	Pkt.
Blue. ¼ oz. 75c.....	\$0.15
Pink. ¼ oz. 75c.....	.15
Scarlet Defiance. ¼ oz. 75c.....	.15
White. ¼ oz. 75c.....	.15
Mixed. ¼ oz. 60c.....	.10



Sweet William, Auricula-flowered

Thorburn's Seeds Sown for a Century



Verbena, Mammoth Blue

VINCA (Periwinkle)

TP. Handsome, bushy bedding plants that flower luxuriantly and most profusely all summer from seed sown in February or March in heat; fine also for pot culture. 1 to 1½ ft.

	Pkt.
rosea. Red.....	\$0.15
alba. White, with rose center; dainty flowers.....	.15

VIOLA cornuta

(Tufted Pansies). HHP. Splendid free-blooming plants for partially shaded situations; bloom continually all the season until frost. 6 in.

	Pkt.
Purple Queen. ¼ oz. \$1.50.....	\$0.15
Mauve Queen. ¼ oz. \$1.50.....	.15
White Perfection. ¼ oz. \$1.50.....	.15
Mixed. ¼ oz. \$1.50.....	.10

WALLFLOWER

Well-known, half-hardy, of delightful fragrance, bearing in spring and early summer long spikes of bright flowers. Start the seed early in the season in heat, protect by coldframes during the following winter and plant out for bedding in spring.

SINGLE-FLOWERING VARIETIES

	Pkt.
Dark Blood-ed.....	\$0.15
Golden King. Very large, golden yellow....	.15
Vesuvius. Orange, scarlet and bronze.....	.20
Fine Mixed. Very showy mixture.....	.15
Double, Tall Branching, Mixed. 2 ft.....	.35
Annual, Mixed. T is annual or extra-early flowering strain, if started early in heat, will bloom the same season.....	.15

ZINNIA

(Youth and Old Age). HA. From July until the first hard frost Zinnias are incomparably bright; the plants grow a foot or more in height with large, double flowers. Fine for beds and borders.

NEW VARIETIES

	Pkt.
Dahlia-flowered. Very fine mixture.....	\$0.15
Giant Picotee, Golden Pheasant. Deep gold ground, with tips maroon.....	.20

MAMMOTH-FLOWERING

2½ ft.

Crimson. ¼ oz. 50c.....	.15
Orange. ¼ oz. 50c.....	.15
Salmon-pink. ¼ oz. 50c.....	.15
Scarlet. ¼ oz. 50c.....	.15
Sulphur-yellow. ¼ oz. 50c.....	.15
Purple. ¼ oz. 50c.....	.15
White. ¼ oz. 50c.....	.15
Mixed. ¼ oz. 25c.....	.10
Collection of six varieties.....	.75

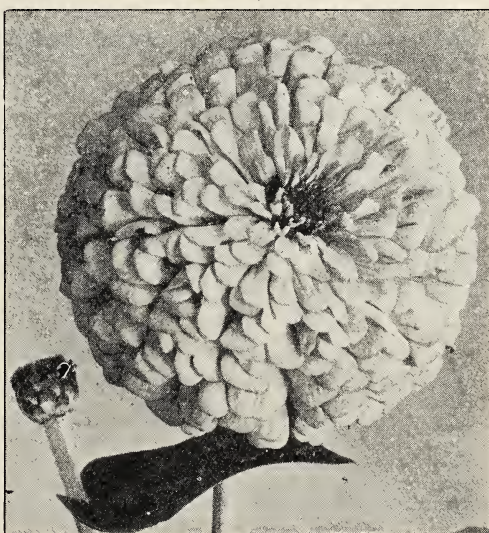
DWARF DOUBLE

15 inches

Bright Scarlet. ¼ oz. 40c.....	.10
Crimson. ¼ oz. 40c.....	.10
Salmon. ¼ oz. 40c.....	.10
Flesh-pink. ¼ oz. 40c.....	.10
White. ¼ oz. 40c.....	.10
Golden Yellow. ¼ oz. 40c.....	.10
Mixed. ¼ oz. 25c.....	.10

VARIETIES NOT LISTED IN CATALOG.—

We continue to carry in smaller quantity many items which have more or less dropped out of popular regard. If wanted, these should be ordered by name. Cash is promptly refunded for varieties ordered, when we are unable to supply.



Mammoth Flowered Zinnia

Thorburn's Seeds Sown for a Century

BULBS AND ROOTS

AMARYLLIS

Ideally suited for window culture.

Vittata Hybrids. This mixture contains the best varieties extant. \$1.50 each..... **Doz.** 103 \$13.50

BEGONIA, TUBEROUS-ROOTED

Splendid for pot culture and for shady places outdoors.

Single-Flowered Varieties

Extra-large bulbs, 2 inches and up in diameter.

Pure White, Delicate Pink, Bright Scarlet, Deep Crimson, Bright Yellow, and Rich Salmon, in separate colors or mixed..... **Doz.** 100 \$3.00 \$24.00

Double-Flowered Varieties

Bulbs 1½ to 2 inches in diameter.

Yellow, White, Crimson, Pink, Scarlet, and Mixed..... 4.00 30.00

CALADIUMS (Elephant Ears)

Esculentum. 7 to 9 in. bulbs..... 1.25 9.00
9 to 11 in. bulbs..... 2.00 14.00

CANNAS

Dormant Roots

Particularly handsome and useful for mass bedding or spacing out with other plants in borders. We consider the following among the best varieties and all give complete satisfaction.

	Doz.	100
Black Prince. 5 ft. Scarlet, overlaid maroon; green leaves.....	\$1.50	\$ 8.00
Buttercup. 4½ ft. Bright buttercup-yellow; green leaves.....	1.50	9.00
Express. 4 ft. This is the best dwarf red Canna; green leaves.....	1.50	8.00
Fire Bird. 5 ft. The best red-flowered, green-leaved Canna.....	1.75	12.00
Goldbird. 5 ft. Soft buttercup-yellow.....	1.50	8.00
Hungaria. 4 ft. Very large; pink. One of the best of recent introductions.....	1.50	8.00
King Humbert. 4 ft. Brilliant orange-scarlet; bronze foliage.....	1.75	10.00
Meteor. 5 ft. Deep crimson.....	1.75	12.00
Orange Bedder. 4 ft. Bright orange slightly suffused scarlet.....	1.50	8.00
Panama. 3 ft. Rich orange-red edged bright golden yellow.....	1.50	8.00
Yellow King Humbert. 4 ft. Produces large, beautiful yellow flowers, lightly spotted red; green foliage.....	1.75	10.00

DAHLIAS

HOW TO GROW DAHLIAS

First, do not plant too early, never before May 1st, and much later, if possible all the way up to July 15th, in the vicinity of New York, and up to August 1st further south. In planting lay the tuber on its side about 6 inches from the surface.

Give the plants plenty of room, placing them 4 feet apart each way.

Do not fertilize too heavily. It encourages wood growth at the expense of blooms. A little well-rotted stable manure worked into the soil a month before planting is sufficient and a light feeding of Thorburn's Complete Manure when buds are developing.

A light soil is to be preferred to a heavy one.

If plants grow too luxuriantly and produce few blooms, cut them back within 1 foot from the ground. Stake the plants so they will not be blown down.

Dahlia blooms will keep longer if they are cut early in the morning (this applies to all flowers) and the stems immediately plunged into warm water and left until water cools, after which place in cold water to which a little salt has been added.

NOVELTIES

Descriptions are Those of the Raisers

Jersey's Delight. HC. The color of this variety is a beautiful rose-pink; flowers medium in size, and borne on stiff stems. Plants \$4.50.

Jersey's Empress. D. Anthracene violet in color. The large flowers are of very pleasing formation, having narrow and wavy petals of great depth and substance. Color is practically sunproof. Tubers \$9.00; plants \$4.50.

Trentonian. D. Color is in the brown tones; the giant flowers are fine in form and produced in great quantity on fine, clean, stiff stems. Tubers \$7.00; plants \$3.75.

Charles Stratton. D. A splendid exhibition variety. Extra large; pale gold shaded and tipped with old rose. Has consistently won as the largest flower in the show. Tubers \$4.00; plants \$2.00.

Thorburn's Seeds Sown for a Century

THORBURN'S SELECTED DAHLIAS

THE UP-TO-DATE EXHIBITION COLLECTION

The varieties submitted below are the cream of the latest prize-winning Dahlias. Tubers will be ready for delivery April 1st. Started plants from May 1st to June 15th.

Abbreviations Used: D., Decorative; HD., Hybrid Decorative; C., Cactus; HC., Hybrid Cactus; HS., Hybrid Show; P., Peony-flowered; Pom., Pompom.

		Each Tubers	Plants
Ambassador.	C. Yellow and salmon.....	\$2.00	\$1.00
Bashful Giant.	D. Apricot and gold.....	4.00	2.00
Champagne.	D. Chamois.....	3.50	1.75
El Dorado.	D. Pure gold.....	5.00	2.50
Gladys Sherwood.	HC. White.....	2.00	1.00
Golden West.	HC. Deep yellow and orange.....	2.00	1.00
Gordon Blanding.	D. Rose-pink.....	5.00	2.50
Insulinde.	HD. Amber and gold.....	2.00	1.00
Jersey's Beauty.	D. Finest pink.....	2.00	1.00
Jersey's Emperor.	D. Dark maroon.....	2.00	1.00
Jersey's Queen.	D. Coral-pink.....	3.00	1.50
Jersey's Radiant.	HC. Orange.....	3.00	1.50
Judge Marean.	D. Pink, orange, and red shades.....	2.50	1.50
King of Shows.	HS. Yellow.....	1.00	.50
Mariposa.	HC. Pink and violet.....	2.00	1.00
Mephistopheles.	HD. Dark scarlet.....	2.00	1.00
Millionaire.	D. Lavender, shaded white.....	2.00	1.00
Mrs. I. de Ver Warner.	D. Orchid color.....	2.00	1.00
Shudow Lavender.	D. Lavender and white.....	2.00	1.00
Snowdrift.	D. Giant white.....	1.00	.75
The Emperor.	D. Bright maroon.....	2.00	1.00
The U. S. A.	P. Orange.....	2.00	1.00
The Wizard of Oz.	D. Amber.....	3.00	2.00
Uncle Sam.	P. Orange-buff and bittersweet yellow.....	2.00	1.00

MISCELLANEOUS POPULAR DAHLIAS

The following sorts are well known for their quality and dependability and are offered at prices within the reach of all Dahlia-lovers.

- Adrienne.** Pom. Flowers are of perfect form, rich crimson-scarlet, slightly tipped with yellow. Free blooming and strong growing. 25c. each, 3 for 70c., 6 for \$1.30.
- E. F. Hawes.** C. A lovely shade of clear salmon-pink. The blooms are produced most freely on fine long stems. 35c. each, 3 for 90c., 6 for \$1.70.
- Kalif.** HC. The color is a rich pure scarlet. The plants are of strong growth and bear their mammoth flowers freely on fine long stems. 75c. each, 3 for \$1.90.
- King of the Autumn.** D. This is one of the most admired varieties. An early and very free bloomer, on fine stems. The immense bloomers are of fine form, and an excellent autumn shade—buff-yellow suffused terra-cotta. \$1.00 each, 3 for \$2.70, 6 for \$5.00.
- Nerissa.** Pom. A charming little flower that should be included in every collection. It is soft pink tinted with silver. 75c. each, 3 for \$1.90, 6 for \$3.65.
- Princess Pat.** D. A most beautiful shade of old-rose. The flowers are of great size; stems excellent. \$1.00 each, 3 for \$2.70.
- Queen of Whites.** Pom. This is considered one of the best white Pompom Dahlias in existence. It bears flowers with the greatest freedom. 25c. each, 3 for 70c., 6 for \$1.30.
- Starlight.** C. Rich deep yellow flowers which lighten up to a dainty lemon tint and finally to white at the tips. A fine exhibition Cactus Dahlia. 75c. each, 3 for \$2.00.
- The Emperor.** D. A truly immense flower of exquisite form, held well above the healthy foliage. The color is a most beautiful rich maroon. \$2.00 each.

Prices on above are for tubers. Delivery April 1st, or earlier if required.

HYACINTHUS CANDICANS

They contrast elegantly with gladiolus. Planted anywhere, singly or in clumps, they are gorgeous. \$1.50 per doz., \$10.00 per 100.

MONTBRETIAS

Should be planted in April or May and protected with leaves in winter. They may be allowed to remain in the ground and will continue to bloom for many seasons.

	Doz.	100
Etoile de Feu. 2 ft. Very graceful soft red flowers, with orange throat.....	\$1.25	\$8.00
King Edmund. Fine orange-yellow flowers.....	1.25	8.00
Speciosa. Pleasing orange-red, with yellow throat.....	1.25	8.00
All Varieties Mixed.	1.00	5.00

Thorburn's Seeds Sown for a Century

GLADIOLUS

Gladioli are very easily grown. Any good soil suits them. Plant the corms (as soon as all danger from frost is past) about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to July 1st, these fine flowers can be had in bloom all through the summer and fall, the later flowers being the best. About the end of October, when the leaves begin to wither, the corms should be taken up, dried in the open air, and then stored in a dry place, free from frost, for planting next spring.

GLADIOLUS PRIMULINUS OR RUFFLED TYPES

This species of Gladiolus created a sensation wherever it was exhibited. The blooms are distinct in their pleasing form and arrangement. Although the individual flowers are not large, they carry an air of grace altogether different from the stiff effect of other Gladiolus.

Extra-large bulbs 1½ inches and upwards in diameter		Doz.	100	
Alice Tiplady.	Brilliant orange-salmon, with golden throat.....	\$1.00	\$7.00	
Maiden's Blush.	Enchantress pink of the finest form. Extra early; splendid for forcing.	1.00	7.00	
PRIMULINUS HYBRIDS. The extremely decorative spikes of delicately colored flowers, 3 to 5 feet high, are most useful for cutting. Colors vary from pale primrose to rich golden yellow, pink, buff, etc.				
		Doz.	100	1,000
Thorburn's Exhibition Mixture.	First-size bulbs.....	\$1.00	\$7.50	\$70.00
Groff's Primulinus Hybrids75	4.00	37.50

THE CREAM OF THE BEST STANDARD VARIETIES

Top-size Bulbs only		Doz.	100
America. Beautiful flesh-pink. One of the best kinds for cutting.....		\$0.75	\$5.00
Baron Hulot. Finest blue. Rich deep indigo-blue.....		1.50	10.00
Chicago White. White, with lavender markings.....		.75	5.00
Evelyn Kirtland. Beautiful rosy pink, darker at edges, fading to shell-pink, brilliant scarlet blotches; very tall.....		1.25	7.00
Halley. Delicate salmon-pink, creamy blotch, bright red through center.....		.75	5.00
Herada. Immense blooms of pure mauve, with deeper markings in the throat.....		1.25	8.00
Le Marechal Foch. Beautiful light salmon flowers.....		.75	5.00
Mrs. & Dr. Norton. Delicate cream and pink, deepening toward the edges; sulphur-yellow center; flowers widely expanded.....		1.00	7.00
Mrs. Francis King. Light scarlet of pleasing shade.....		1.00	7.00
Mrs. Frank Pendleton. Salmon-pink with brilliant carmine.....		1.00	6.00
Niagara. Delightful cream shade, petals canary-yellow, throat carmine.....		1.00	6.00
Panama. Deep pink; long spikes and large flowers.....		1.00	6.00
Peace. Beautiful white, with pale lilac on petals; very refined.....		1.00	6.00
Prince of Wales. Coral-pink.....		1.25	8.00
Schwaben. Delicate pale yellow, dark blotch in center.....		.75	5.00
War. Deep blood-red, shaded crimson-black, very tall and conspicuous.....		1.50	10.00
Wilbrinck. Beautiful shade of bright pink....		1.00	6.00
Thorburn's Grandavensis Hybrids. Composed of fine sorts in all colors. Per 1,000, \$32.50.		.50	3.50



Gladiolus, Maiden's Blush

Thorburn's Seeds Sown for a Century

HARDY GARDEN LILIES

Hardy Lilies are among the most gorgeous and easily grown subjects for the herbaceous border, and, without crowding other plants, throw up their sturdy stems each year with an eager desire to unfold their wonderful blooms over the heads of nearby companions, and hold the admiring gaze of those who pass by. Lilies thrive in partial shade, that is, the lower stem and bulb are better shaded by the foliage of other plants. Their stem roots, which feed almost on the surface of the soil, need plenty of food and moisture. They revel in the "peaty" soil of a rhododendron bed, but thrive equally well in a rich sandy loam. The most beautiful forms are *Lilium auratum*, *L. speciosum*, vars. *melpomene* and *rubrum*, *L. regale*, *L. tigrinum*, and *L. Henryi*. Plant from 4 to 6 inches deep.

Auratum (The Golden-banded Lily of Japan). One of the stateliest of all the hardy Lilies; grows 3 to 6 feet high, and bears twenty or more large and fragrant flowers 8 to 10 inches in diameter. Planted in clumps of six or so, they make an attractive sight. Flowers white, spotted deep red, with bright yellow band running through the center of each petal, in August.

	Each	Doz.	100
Extra large bulbs, 9 to 11 in. cir.....	\$0.75	\$5.00	\$40.00
Large bulbs, 8 to 9 in. cir.....	.50	3.00	24.00

Canadense (Canadian Bellflower Lily). One of the best of our native Lilies. Flowers vary in color—red and yellow. Grows 2 to 5 feet high; very suitable to plant among shrubbery and thrives well in the shade. Flowers in June and July. Very hardy.....

.20	2.00	16.00
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Elegans. 3 ft. Mixed colors. Vigorous and easy grower. Flowers in June.....

.20	1.75	12.00
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Henryi (Yellow Speciosum). 4 to 5 ft. In form and habit resembles *L. speciosum*. Flowers shaded yellow, slightly varying in color, with a distinct and waxy green center. Comes into bloom during August and September.....

.70	7.50	55.00
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Pardalinum (Leopard Lily). 4 ft. A robust and free-flowering variety. Does well in all situations and produces superb flowers of rich scarlet and yellow, spotted with brown. Flowers in July.....

.25	2.50	18.00
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Lilium Regale

Regale (Myriophyllum). 3 to 4 ft. Of comparatively recent introduction, this variety has come to be regarded as one of the best Lilies for the garden. White flowers, trumpet-shaped, slightly suffused pink, with yellow center; Very fragrant. At its best about the end of June. Plant is very slender and takes very little room when out of flowers. Will thrive in any good soil if not too wet. Extra-large bulbs.....

1.00	9.00	70.00
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Speciosum album. 3 to 4 ft. This is a very dainty white Lily. It flowers in the border or amongst the shrubbery at the same time as *L. auratum*, and is one of the most popular varieties. Used extensively in pots for greenhouses. Extra-large bulbs, 9 to 11 in. circum.....

.75	6.00	45.00
-----	------	-------

Large bulbs, 8 to 9 in. circum...

.50	3.50	27.50
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Speciosum Melpomene. Large, dark crimson spotted flower of striking appearance. Profuse flowering.

.75	5.00	40.00
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.50	3.00	24.00
-----	------	-------

Speciosum rubrum. Bears an abundance of spotted deep rose flowers, and attains a height of 3 to 4 feet. Blooms outdoors August and September.

Extra large bulbs, 9 to 11 in. circum.....

.75	5.00	40.00
-----	------	-------

Large bulbs, 8 to 9 in. circum.....

.50	3.00	24.00
-----	------	-------

Tigrinum splendens (Tiger Lily). 3 to 4 ft. Orange flowers spotted black. Very hardy. Blooms in August.....

.25	2.50	18.00
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Tigrinum flore-pleno (Double-flowering Tiger Lily). Like above but double flowers.....

.30	2.75	22.00
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COLLECTION OF LILIUMS

One dozen each of *Auratum*, *Speciosum Melpomene*, and *Speciosum album*, large bulbs, 9 to 11 in. circumference..... \$15.00
Six bulbs each of the above..... 8.00

Postpaid to any address in the United States

Thorburn's Seeds Sown for a Century

GERMAN IRIS

(Iris Germanica)

The French National Flower. These dainty flowers will grow and multiply in any dry soil and are equally at home in the formal garden, perennial border, shrubbery or as individual specimens. The following varieties have been selected with an idea of covering the entire range of colors.

Alcazar. Standard, light bluish violet, falls deep purple with bronze veined throat. \$8 doz.

Arlequin Melanais. White and violet blue, distinctly blotched. \$1.50 doz., \$10 per 100.

Beethoven. Standard blue, falls deep royal purple. \$1.50 doz., \$9 per 100.

Candicans. Standard light lavender, falls reddish-purple. \$1.50 doz., \$10 per 100.

Fairy. White suffused blue. \$2 doz., \$14 per 100.

Florentina Blue. Tall and vigorous, deep dark blue. \$1.50 doz., \$10 per 100.

Gypsy Queen. Square standard, a light bronze, falls purple-red. \$1.75 doz., \$12 per 100.

Her Majesty. Standard lovely rose pink, falls bright crimson tinged darker shade. \$3 doz., \$17.50 per 100.

Ivoryine. Ivory white, fine flower, stout texture. \$3.50 doz., \$25 per 100.

Khedive. Standard beautiful soft lavender, falls white veined brown, deep lavender at tips. \$2 doz., \$14 per 100.

Loreley. Standard light yellow, falls ultra-marine blue bordered cream. \$1.50 doz., \$10 per 100.

Nibelungen. Standard olive green, falls yellow purple and white. \$1.50 doz., \$10 per 100.

Pallida Dalmatica. Standard lavender, falls deep clear lavender, flowers large and extra fine. \$2. doz., \$16 per 100.

Pearl. Standard very light lavender, falls deep lavender. \$1.50 doz., \$10 per 100.

Princess Victoria Louise. Standard pale yellow, falls rich violet edged cream. \$1.75 doz., \$12 per 100.

Queen of May. Soft rosy lilac, almost pink. \$3. doz., \$17.50 per 100.

Rheine Nixe. Very tall and grand. Late. Standard snowy white, falls deep violet blue, white margin. Inner petals satiny ivory. \$2 doz., \$16 per 100.

Siberian Blue. Clear sky-blue color with horizontal falls. \$2 doz., \$16 per 100.

JAPAN IRIS

Japan Iris follow the German in their period of bloom.

Avalanche. Double, pure white with conspicuous yellow blotch. Doz. \$14.

Azure. Double, immense flower exquisitely wavy, mauve-blue with darker halo. Doz. \$7.

Calvin Coolidge, Jr. Single, white, very faintly lined blue violet. Doz. \$14.

Caroline G. Childs. Single, white, slightly veined blue violet. Doz. \$14.

Dominator. Single, rich indigo blue with narrow white stripes and light center. Doz. \$7.

Helen Wells. Single, amethyst violet, inner petals phlox-purple. Large flower. Doz. \$14.

Kuro Komo. Double, purple overlaid with dark blue. Doz. \$7.

(Iris Kaempferi)

They should be planted in good, well-drained soil.

Mount Hood. Double, light blue shaded darker, bright orange center. Doz. \$4.

Pyramid. Double, Violet purple veined white in center of each petal. Doz. \$3.50.

Violet Beauty. Single, pansy violet color. Long inner petals. Large flower. Doz. \$9.

THORBURN'S IMPERIAL Japan Iris Mixed.

Some years ago one of our customers received a special importation from Japan of an exceptional fine named collection of Iris. The flowers are wonderfully beautiful, both double and single, and very large. We offer them mixed at \$2 per doz., \$15 per 100, delivered anywhere in the United States.

LILY-OF-THE-VALLEY

Our Lily-of-the-Valley pips are imported direct from one of Germany's finest raisers, and are unexcelled for their quality; extra-large bulbs, long, strong spikes, and handsome foliage. Especially selected for exhibition.

Extra-strong Berlin Pips, for forcing, from cold-storage, \$16 per case of 250, \$60 per 1,000.

Extra Strong Clumps for outside planting. 60c. each, \$6.50 per doz.

TRITOMA

Pfitzeri. Red-Hot Poker. Very fine for bedding. Brilliant red blooms throughout the late summer and fall. \$3 per doz., \$20 per 100.

TUBEROSES

The sweet-scented Tuberose is now exceedingly popular. It possesses a character and perfume distinct from any other flower and is easy of cultivation.

Excelsior Pearl. Large; double; white. \$1.75 per doz., \$10 per 100.



Lily of the Valley

Thorburn's Seeds Sown for a Century

Garden Requisites

PRICES NET F. O. B. NEW YORK, SUBJECT TO CHANGE WITHOUT NOTICE

FERTILIZERS

THORBURN'S COMPLETE MANURE

A balanced fertilizer containing the three principal plant foods, Ammonia (Nitrogen), Phosphoric Acid and Potash. An ideal plant food for the Vegetable and Flower Garden. If used for this purpose, it should not be broadcasted, but placed in the hills, furrows or drills and mixed with the soil.

50 lbs. \$2.50 100 lbs. \$4.00 1000 lbs. \$35.00 Ton. \$63.00

THORBURN'S FERTILIZER FOR GRASSES (Lawn Fertilizer)

Especially prepared for lawns, meadow lands, etc. Broadcast about 1,500 lbs. to the acre, 100 lbs. to a lot 25x100 feet.

50 lbs. \$2.50 1000 lbs. \$36.00
100 lbs. 4.00 Ton. 65.00

Acid Phosphate. Unexcelled for all crops and as a top dressing. Ton \$37.50.

Agricultural Lime, Hydrated. For use on sour soils. Ton \$35; carload lots in 100-lb. bags, \$12.50 per ton; carload lots in bulk, \$6 per ton.

Bone Meal for General Use. Pure ground bone. 100 lbs. \$4.50, 200 lbs. \$8.50, ton \$70.

Bone Meal, for Roses. 100 lbs. \$5, 200 lbs. \$9, ton \$75.

Bones, Crushed, Coarse. For vine borders. 100 lbs. \$6.75, 200 lbs. \$13, ton \$90.

Clay's Fertilizer. Highly concentrated plant food; the standby of every professional gardener. Excellent for green-house and pot plants. Amateur's size can 75c., 28 lbs. \$4, 56 lbs. \$7, 112 lbs. \$13.50.

Limestone, Ground. Cloth bags, in carload lots, \$16 per ton.

Muriate of Potash. 50 lbs. \$2.75, 100 lbs. \$5.25.

Natural Humus. 100 lbs. \$1.50, 500 lbs. \$6, ton (in bags) \$19.50. In carload lots, in bulk, \$9 per ton.

Nitrate of Soda. 167 lbs. \$10.50, ton \$120.

Potato Fertilizer. Complete, highest grade. Ton \$60.

Sheep Manure, Pulverized. 100 lbs. \$4.50, 200 lbs. \$7.50, ton \$70.

Scotch Soot. Promotes dark green foliage. 100 lbs. \$6.50.

Stim-U-Plant. Tablets are packed in three sizes: Small size, 25c., containing 30 tablets; medium size, 75c., containing 100 tablets; large size, \$3.50, containing 1,000 tablets.

Sulphate of Ammonia. Excellent for improving lawns and putting greens, also used for top dressing crops. Contains ammonia, 24 per cent, and nitrogen, 16 per cent. 100 lbs. \$7.00, 200 lbs. \$12.

Tankage, Blood. Contains both bone and blood. 100 lbs. \$7.50, 200 lbs. \$14, ton \$100.

Thomson's Vine and Vegetable Manure. Safe and reliable. Excellent for vine, borders and potted plants. 56 lbs. \$6, 112 lbs. \$11.50.

Wood Ashes, Canada Unleached. 100 lbs. \$4, ton \$60.

POTTING MATERIALS

Charcoal Dust. 100 lbs. \$6.

Lump. For orchids, etc. 100 lbs. \$6.50.

Leaf-Mould. Bag, \$3.75; carload lots, in bulk, at \$16 per ton; in bags at \$20 per ton.

Moss, Dry Sphagnum. Bale, \$4.50.

Live Green Sphagnum. Bag, \$4.50.

Sheet. For florists' work. Bag, \$5.

Peat, Fibrous. For ferns, begonias, etc. Bag, \$3.75.

For Orchids. Bag, \$4.

INSECTICIDES

Ant-Destroyer. Will positively destroy ants. ¼-lb. tins 20c., ½-lb. tins 35c., 1-lb. tins 70c., 5-lb. tins \$2.75.

Aphine. Destroys aphus, thrips, mealy bug, etc. Qt. \$1, gal. \$3.25, 6 gals. \$18, 12 gals. \$36.

Arsenate of Lead, Paste. For spraying fruit and vegetables. 5 lbs. \$1.50, 25 lbs. \$6, 100 lbs. \$21.

Arsenate of Lead, Powder. For spraying and dusting. One pound makes 15 gallons of solution. 5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$30.

Black-Leaf 40. Kills black aphides and sucking insects. ½ lb. \$1.25, 2 lbs. \$3.75, 10 lbs. \$15.50.

Bordo-Lead Paste. Destroys potato bugs. 5-lb. can \$2, 25 lbs. \$6.50, 100 lbs. \$21.

Bordeaux Mixture. Effective against blight and fungus. **Liquid**, gal. \$2.25, 5 gals. \$9.25; **Paste**, 5 lbs. \$1.50, 25 lbs. \$5.25, 100 lbs. \$17.

Bordeaux Mixture, Powder. 10 lbs. \$3, 25 lbs. \$6, 100 lbs. \$22.50.

Borowax. Effective protection against all tree borers. Gal. \$1.75, 6 gals. \$9.50.

Carbola. Disinfecting white paint. For stables, cow-barns, etc. 10 lbs. \$1.50, 50 lbs. \$6, bbl. (300 lbs.) \$30.

Outworm Killer. Kills the worms; simple and easy to use; especially prepared for bringing young plants through the critical period. 1-lb. pkg. 35c., 5-lb. pkg. \$1.50.

Fungine. Remedy for mildew, wilt and rust. Qt. \$1, gal. \$3.50, 12 gals. \$36.

Grafting Wax. Lb. 50 cts., 5 lbs. \$2.25.

Cyanogas (Calcium Cyanide). For fumigating, etc. 5 lbs. \$3, 25 lbs. \$14.

Grape Dust, Hammond's. For mould etc. 10 lbs. \$2.50, 100 lbs. \$20.

Hall's Nicotine Sulphate. 2 lbs. \$3.75.

Lime and Sulphur Solution. Kills scale. 5 gals. \$5.50, 30 gals. \$13, 50 gals. \$20.

Melrosine. A real remedy for rose-bug troubles. Dilute 1½ pints Melrosine with 3 gallons of water, for general use. Qt. \$1.75, gal. \$6.

Nicotide. For fumigating and spraying. 4 lbs. \$8.75, 8 lbs. \$17.

Nico-Fume Paper. For fumigating. 24 sheets \$1.35; 144 sheets \$6, 288 sheets \$11.

Nico-Fume Liquid. For spraying and fumigating. Lb. \$2.35, 4 lbs. \$8.50, 8 lbs. \$16.50.

Nikoteen. Lb. \$2.50, 10 lbs. \$22.50.

Paris Green. Destroys potato bugs. Lb. 70c., 5 lbs. \$3.

Pyrox. Combined insecticide and fungicide. Destroys potato bugs, etc. 5 lbs. \$2, 10 lbs. \$3.50, 25 lbs. \$7.50, 100 lbs. \$22.

Scalecide. Destroys San Jose scale. Gal. \$1.75, 5 gals. \$7.75, 30 gals. \$29, 50 gals. \$44.

Thorburn's Seeds Sown for a Century

INSECTICIDES—Continued

Standard Tree Bands. Protects trees and large shrubbery against all climbing worms, caterpillars, moths and insects. 25-ft. roll \$1.75, 100-ft. roll, \$6.75.

Slug Shot, Hammond's. Effective against potato bugs. 10 lbs. \$2, 100 lbs. \$17.50.

Tobacco Dust. For burning or dusting. 100 lbs. \$5.

Tree Tanglefoot. Lb. 50c., 5 lbs. \$2.35, 10 lbs. \$4.50.

Weed Killer. (Atlas Non-Poisonous). One gallon is ample to clear 500 square feet of densely vegetated area. Simply dilute with ten parts of water and

apply to pernicious vegetation with a sprinkling-can, 1 gal. can \$2, 5-gal. drum, \$8, 50-gal. drum \$55.

Wilson's O. K. Plant Spray. Very effective against all plant aphids. Gal. \$3, 5 gals. \$12, 10 gals. \$20, 25 gals. \$50, 50 gals. \$90.

X-L-ALL Insecticide, Imperial. (Original). Kills mealy bugs, etc. ½ gal. \$4.50, gal. \$9, 5 gals. \$40.

Zenke's Compound Plant Insecticide. Kills white fly, red spider, mealy bug, etc. Gal. \$3, 5 gals. \$12.

Zenke's Fungicide. Effective remedy for leaf-spot, rust, mildew and black rot. Gal. \$4, 5 gals. \$18.75.

SPRAYING AND WATERING SUPPLIES

Electric Garden Hose. Undoubtedly the most satisfactory Hose. ¾-in. \$30 per 100 ft.; ½-in. \$25 per 100 ft.

Maid of the Mist Sprinkler. (Water-Witch). \$1.25.

Ring Lawn Sprinkler. Heavy brass; diameter 9 in. \$2.

The Boston Nozzle. Throws coarse or fine spray. ¾-in. \$1.50.

The Boston Rose-Hose Sprinkler. 3-in. face \$1.50, 4-in. face \$2.

Watering-cans, Haws' Pattern. 4-qt. \$5.25, 6-qt. \$5.75, 10-qt. \$7.50.

French. 6-qt. \$4.75, 8-qt. \$5.25, 10-qt. \$6.

Philadelphia. 4-qt. \$3.50, 6-qt. \$4, 8-qt. \$4.75, 12-qt. \$6.50.

CANES AND PLANT SUPPORTS

Bamboo Canes. Genuine Chines; strong, heavy.

	100	1000
4 ft. x ½ in. diam.....	\$4.00	\$35.00
6 ft. x ¾ in. diam.....	6.50	60.00

Bamboo Canes, Japanese. Natural, thin and light.

	100	1000
3 ft.....	\$2.00	\$15.00
4 ft.....	2.50	20.00
5 ft.....	3.00	25.00

Bamboo Canes, Japanese.

3 ft Painted green.....	100	1000
4 ft Painted green.....	\$2.50	\$20.00
	3.50	30.00

Dahlia Poles, Round. Very strong, painted green.

	Doz.	100
4 ft.....	\$2.00	\$15.00
5 ft.....	2.50	17.50

Plant Stakes. Round, painted green.

	100		100
2 ft.....	\$ 4.00	4 ft.....	\$10.50
3 ft.....	6.25	5 ft.....	14.00

GARDEN TOOLS

	Each
Forks, Digging or Spading.....	\$2.75
Hay or Stable.....	1.75
Manure.....	2.75
Hoes, Draw or Corn. 5-in. \$1.10, 6-in. \$1.25,	
7-in.....	1.50
Scuffle or Push. 5-in. \$1.10, 6-in. \$1.25, 7-in.	1.50
Warren (Triangular). With handle.....	2.25
Rakes, Wooden. For lawns.....	1.50
American Garden. Steel (handed). 12 teeth	1.50
14 teeth.....	1.75
16 teeth.....	2.00
Cast Steel. 12 teeth.....	1.25
16 teeth.....	1.50

	Each
Shears, Hedge. English, 9-in.....	\$6.50
Hedge, Ridal's Patent. Imported. 9-in....	8.50
Grass Border. 8-in. \$6, 10-in.....	7.00
Sheep or Grass.....	1.50
Shovels, Ames', D-Handle, Round Point..	2.25
Sickles or Grass Hooks, English.....	1.50
Spades, Square D, or Long Handle.....	2.50
Trowels, Solid Steel Socket Shank. 6-in. 75c.,	
7-in.....	.90
Hand Weeder.....	.50

KNIVES AND PRUNING SHEARS

	Each
Asparagus Knives (Saw blade).....	\$1.75
Granite State.....	1.00
Budding Knives. No. 204-B.....	3.75
No. 204.....	2.75
Pruning Knives. No. 938.....	3.50
No. 187.....	2.75
Handy Garden Knives. 2-bladed, brass bolstered, imported steel.....	1.75

	Each
Waters' Tree Pruners. 8-ft.....	\$2.75
12-ft.....	4.00
Pruning Shears, Rhodes'. Double Cut....	5.50
California. 9-in.....	3.50
Pruning Shears, or Secateurs. 8-in.....	3.75
9-in.....	4.50

TYING MATERIALS, ETC.

Raffia, White. Long and broad. Lb. 45c., 5 lbs. \$2.

Silkalene. For stringing smilax, etc. 1 lb \$3.

Twine. Heavy and light parceling. 40c. per ball.

Soft Jute. For vines, 3 and 5-ply. 50c. per lb.

PLANET JR. CULTIVATORS

Save time, lighten labor, help give bigger crops. Tools for real economy. Fully guaranteed.

No. 3. Hill and Seed Drill. Holds 3 qts. of seed. Each \$22.00.

No. 11. Combined Double and Single Wheel Hoe, Cultivator, Plow and Rake. Each \$17.50.

No. 16. Single Wheel Hoe, Cultivator, Plow and Rake. Each \$12.50.

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Cockscomb	35	Lupins	39	Sweet Rocket	43		
Coleus	35	M				Sweet Sultan	32
Collards	7	Mallows	38	Sweet William	46		
Collections	3	Mangels	5	T			
Columbine	28	Mangel-Wurzel	5	Tomatoes	21		
Coreopsis	31	Marigolds	39, 40	Tritoma	52		
Corn, Field	24	Matthiola	40	Tropaeolum	40		
Cornflower	32	Mignonette	40	Tuberoses	52		
Corn Salad	8	Millet	25	Turnip	20		
Corn Sweet	9, 10	Montbretia	49	V			
Cornus	33, 34	Morning Glory	32	Verbenas	48		
Cowpeas	25	Mushroom Spawn	15	Vetches	25		
Cowslip	25	Muskmelon	13, 14	Vinca	47		
Cranberry	8	Mustard	15	Viola	47		
Cucumbers	10, 11	Myosotis	32	W			
Cultivators	54	N					
Cyclamen	35	Z					
D							
Dahlias	35, 48, 49	Z					
Daisies	35	Zinnias	47				

